دستور الأدوية الدولي

The International Pharmacopoeia

الطبعة الثالثة

Third Edition

Volume 4

Tests, methods, and general requirements Quality specifications for pharmaceutical substances, excipients, and dosage forms

المجلد الرابع

الاختبارات والطرق والمتطلبات العامة مواصفات الجودة لأجل مواد صيدلانية وسواغات وأشكال صيدلانية جرعية

تمت الترجمة في المركز العربي للتعريب والترجمة والتأليف والنشر بدمشق

منظمة الصحة العالمية

World Health Organization

The International Pharmacopoeia

Third Edition

Volume 4

Tests, methods, and general requirements
Quality pecifications for pharmaceutical and substances, exicipients dosage forms

World Health Organization

þøĭợø Tøł

ɄȶɆŸȩɍä ÆǪȮȶä Ʒɳ ɄȶŸĦöä ¢ɋȿÀĦǩ ǥǿʐǬÀǣ ɭȮö ÿÆŌÅ ȷǖ ÀÎÅöäȿ ȤɆöüǪöäȿ ǦƤÀǪöäȿ ÆÅÀĦǪŸö ɄøǣÀĦöä ÂõÀȶä ÀÊÅ
ǨÀŸɋȿ .ǦǯöÀǯöä ǦĦǤÛöä ƂȿÆöä ǦÅȿåɉä ǿʐǪèá ȡɳ ǦǤèʐǂä ǦǺÊÅöä ǿäÆòüǣ ǦŸǯȶǪȶä Ùèʐǫȶä ȧÀÎö ǦɆȶÀĦöä ǦĦÔöä ǦȶȚÀȶ
:ɄŸÅ Àɳ ƃǖ ǮÀȮöä ÙǿÀǬöä ǦÀÀȝ

- :Ž ǥǿʐǬǾȶä ǧÀĦɆĦÔǪöäȿ ǧŸÅÆĦǪöä ǬɳÀǬ ǨŸǹáǚ
  1. ǦǺÊÅöä ǦɆǤȡʐɉä ȡɳ ÆŸǑä/ǭöÀǯöä ǦĦǤÛöä/ǦǯöÀǯöä ǦĦɆĦÔǩ/ǧÅÆĦǩȿ ǧŸÅÆĦǩ ȡÅÆŸǑä 1 ȿ2 /ǦĦÀÔöä 372.

     AMENDMENTS AND CORRIGENDA TO VOLUMES 1 AND 2
  2. ǦǺÊÅöä ǦɆǤȡʐɉä ȡɳ ÆŸǑä Ʒǣä ÀÅöä /ǦĦǤÛöä ǦǯöÀǯöä/ ǦĦɆĦÔǩ/ǧÅÆĦǩȿ ǧŸÅÆĦǩ ǧäÆŸǑä 1 ȿ2 ȿ3/ǦĦÀÔöä 310.

     AMENDMENTS AND CORRIGENDA TO VOLUMES 1,2 AND 3
  3. ǦǺÊÅöä ǦɆǤȡʐɉä ȡɳ ÆŸǑä ÈɳÀʅä /ǦĦǤÛöä ǦǯöÀǯöä/ ǦĦɆĦÔǩ/ǧÅÆĦǩȿ ǧŸÅÆĦǩ ǧäÆŸǑä 1 ȿ2 ȿ3 ȿ4/ǦĦÀÔöä 256.

     AMENDMENTS AND CORRIGENDA TO VOLUMES 1,2,3 AND 4

Ž ȷÀȮȶä Ž ǧÀĦɆĦÔǪöä ǬŸǩ ǬǣÀŌÅ Àɳ ǦǣÀĦöä ǦƤÀǪöä Ž ÆDZʐÅ ɍ ǬǿǾö Üāʐ ŸÛȶä ÀŒÀȮɳ Ž ǦǤèɆǈ ǦĦǤÛöä Ž ȷÀȮȶä Ž ǧÀĦɆĦÔǪöä.

- ǧÆȶɁʒä Ǧ8Ɇò ɄøÀǤȶä ȯʐȚDZȶŸö Ž ǦƤÀǩ ǦƤÀǪöä ǤÀÀʐ ɁǖǾ Æȩȿ ÛǬȶƨä ÀǢÅǖ ÀÊÅǖ ÀɳäÆǺǪèä ǬƤǖȿ ǦǿÔ ȡɳ .Àɳɉä Ǧ8Ɇò

- :ǦǤȡʐɉä Ǧ8ŸöÀǣ ǦɆöÀǪöä ǧäÀÔǪǺȶä ɁŸƷ ɄøǣÀĦöä ǮÅöä Ž ûÀÀΣä ɁÀDZ
  - R ÛȤìÀǬ RS ǥáÀɳ ǦǤĦDZÀɳ TS ȯʐŸȚ ǦǬǪǓǹä VS ȯʐŸȚ ȯDZǥɄ.

ǦɆȶÀĦöä ǦĦÔöä ǦȶȚÀȶ ɄȶɆŸȩɍä ÀÅÆȶä ɃÀǣäÂƨä ȧääÀöä ÆǤƷ ǨÊǥ ǿʐǬǬÆöä ǣÀǪèɉä ÀȮÎö ǦòÀÀöä ȻǾŁ ɭǪ8ɋȿ
ȧÀÎö ǦɆȶÀĦöä ǦĦÔöä ǦȶȚÀȶ ɄȶɆŸȩǫä ÆǪȮȶä ɃøÀÎǪÊɳ ǨǤǬ ȓÀɆʅä ɭǯǢ ÆȶȚ ǿʐǪǬÆöä ǣÀǪèɉȿ Ùèʐǫȶä ȧÀÎö
äǾŁ ȁÀǬǖ Ž ǦǬøÀǤȶä ɭǢáʐȚDZ ÀÅÆǬǩȿ ɄĦÔöäȿ ɄøǤÛöä ÿƳƷR ɄȶɆŸȩǫä øÀÎǪÊȶä ǥøÀè ɭèÀȩ ǿʐǪǬÆöäȿ Ùèʐǫȶä
.ÀǪǬÛÀɳ Ž ɄĦÔöä ǬȶĦöä ǦɳÆʅ ǬÀǫÎɳ ȷȿÀĦǩ ǦǾÀʐ ȷʐȮÅ ȷǖ ȡDZäǿ ÜǬȶĦöä

ŸÀĦöä ÂõÀȶä ÀÅÆɳ
ÀÎÅöäȿ ȤɆöüǪöäȿ ǦƤÀǪöäȿ ÆÅÀĦǪŸö
ǬʐʐɋȮá .á

[illegible]

[illegible] [1] [illegible]

[illegible] *Model* [illegible] [2] [illegible] [3] *WHO* [illegible] *list* [illegible]

[illegible] Good Manufacturing Practies (GMP) [illegible] Norms [illegible]

[illegible]

---

[1] [illegible] WHA3.10 [illegible] 1973 [illegible] 127.

[2] [illegible]

[illegible] 1979 [illegible] 1

[illegible] 1981 [illegible] 2

[illegible] 1988 [illegible] 3

[3] [illegible] 825 [illegible] 1992.

manufacturers' relase specification

Capsules

[1] .18 1977 614

."Pharmacutical aids [illegible] Surfactants [illegible]

[illegible]

[illegible] Aboteksbolaget AB, Centrallaboratoriet, S-10514 Stockhlm, Sweden. [illegible]

[illegible]

Acknowledgement ƥl ʅ ƕDŽǂl

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General notics [illegible]

[illegible] 2 [illegible] 1 [illegible] 4 [illegible]

Monograph nomenclature [illegible]

[illegible] International Nonproprietary Name (INN) [illegible]

Ethosuximidum) [illegible]

[illegible] Codeini Phosphas) [illegible] Cloxacillinum :[illegible] "natricus" [illegible] natricum [illegible] (Cloxacillinum natricum [illegible]).

[illegible] (Ephedrini sulfatis injectio [illegible] Ampicillini Capsulae [illegible] reconstitution [illegible] "ad" [illegible] (Ampicillini natrici puluis ad injectionem [illegible]).

Chemical formula and relative molecular mass [illegible]

[illegible]

Chemical name [illegible]

International Union of [illegible] Pure and Applied Chemistry (IUPAC) [illegible] IUPAC [illegible] .American chemical Society (CAS No.) [illegible]

Other name [illegible]

.[illegible] identification [illegible]

Definitions [illegible]

[illegible]

Solubility [illegible]

[illegible] "part [illegible]" [illegible] 20 [illegible] 1 [illegible]

[illegible] 1			[illegible]	[illegible]
[illegible] 10	[illegible]	1	[illegible]	[illegible]
[illegible] 30	[illegible]	10	[illegible]	[illegible]
[illegible] 100	[illegible]	30	[illegible]	[illegible]
[illegible] 1.000	[illegible]	100	[illegible]	[illegible]
[illegible]10.000	[illegible]	1000	[illegible]	[illegible]
[illegible] 10.000			[illegible]	[illegible]

Category [illegible]

[illegible]

Storage [illegible]

[illegible]

Containers [illegible]

[illegible]

[illegible] handling [illegible]

[illegible]

Protection from light [illegible]

[illegible]

Temperature [illegible]

[illegible]

Stability information [illegible]

[illegible] "Additional information [illegible]

Labelling information [illegible]

[illegible]

[illegible]

Additional information [illegible]

[illegible] [1]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] International Units (IU) [illegible] %95 [illegible] Potency [illegible] .(P = 0.95)

[illegible] "Water [illegible]" [illegible] "Loss on drying [illegible]" [illegible]

Identity [illegible]

[illegible]

[illegible]

[1] [illegible] 1992 [illegible] (825 [illegible]).

"Identity tests"

Examination in ultraviolet light

254 … 365

Clarity of solution

Color of … 53 … 1 … TS2 … "liquids

TS2.

colourless solution

Rd0 … Gn0 … Yw0 … Bn0

53 … 1 … "color of liquids".

Loss on drying

1 …

0.5 … "ignite to constant mass" …

Test and assays

30 … 25 … 15 …

[illegible][1]

[illegible] 100 [illegible]

[illegible]

[illegible]

Indicators for visual determination of pH value [illegible]

[illegible]

[illegible]

Precision [illegible]

[illegible]

[illegible] liquids [illegible] Solids [illegible] "%" [illegible] 100 [illegible] Solute [illegible]:

m/m % [illegible] 100 [illegible].

v/v % [illegible] 100 [illegible].

v/m % [illegible] 100 [illegible].

[illegible] "ò/òzη" [illegible] 1000 [illegible].

[illegible]

[illegible] reagents [illegible]:

20.5	[illegible] 19.0	[illegible] 20.0	[illegible]
2.05	[illegible] 1.95	[illegible] 2.0	
0.205	[illegible] 0.195	[illegible] 0.20	

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[1] [illegible]:

- [illegible] 98 [illegible] Ref. No. ISO 719-1985 (E).
- [illegible] 121 [illegible] Ref. No. ISO 720-1985 (E).
- [illegible] Ref. No. ISO 4802-1988 (E).

(pH) [illegible]

[illegible].

[illegible]

[illegible].

[illegible]:

[illegible] 8 [illegible] 2 — [illegible]

[illegible] 15 [illegible] 8 — [illegible]

[illegible] 25 [illegible] 15 — [illegible] 30 [illegible].

Calculation of results [illegible]

[illegible]:

- [illegible] 5 [illegible] 1.
- [illegible] 4 [illegible].
- [illegible].

Patents trademarks [illegible]

[illegible].

[illegible].

[illegible]

Reagents, refrence substances, and volumetric solutions

[illegible] (VS) [illegible] (TS) [illegible] (RS) [illegible] (IRS R) [illegible] 335 [illegible] 3 [illegible] 379 [illegible] 2 [illegible] 311 [illegible] 1 [illegible] 179 [illegible] (Cm) [illegible].

[illegible]

Reference substances [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

● WHO Collaborating Centre for Chemical Referance Substances, Apoteksbolaget AB, Centrellaboratoriet, S-105 14 Stockholm, Sweden; Telex: 115 53 APOBOL S; Fax: 468 740 60 40.

[illegible]

[illegible] (b)

[illegible]

[illegible]

[illegible]

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Reference spectra [illegible]

[illegible]

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[4] [illegible] 1990 [illegible] 1991.

Abbreviations and symbols [illegible]

[α]	[illegible].
$[\alpha]_D^{20\circ C}$	[illegible] (°) [illegible] (α) [illegible] 100 [illegible] 0.5±20 [illegible] (589.3 [illegible]) D - [illegible] 20 [illegible] 1 [illegible] 100.
A	[illegible] transmittance.
$A_{1cm}^{1\%}$	[illegible] 1 [illegible] 100 [illegible] (%1 [illegible]) [illegible] 1.
ATCC	American Type Culture Collection, 12301Parklawn Drive, Rockville, MD 20852, USA
CAS Reg.	[illegible].
C.I.	[illegible] ([illegible])
CIP	[illegible] Collection de l`Institut Pasteur, Service de la Collection Nationale de Cultures de Microorganisms (CNCM), 25 rue du Docteur Roux, F 75015 Paris, France.
Cm	[illegible].
d	[illegible] (ρ) [illegible].
d_{20}^{20}	[illegible] 20 [illegible].
$E_{1cm}^{1\%}$	$A_{1cm}^{1\%}$ [illegible]
IU	[illegible].
mol/l	[illegible] 1000 [illegible].
n	[illegible].
n_D^{20}	[illegible] D - (Sodium D- line) [illegible] 589.3 [illegible] 0.5±20 [illegible].
NCIMB	[illegible] National Collection of Industrial and Marine Bacteria, Toory Research Station, PO Box 31, 135 Abbey Road, Aberdeem AB9 8DG, Scotland

NCTC — [illegible]

National Collection of Type Cultures, Central Public Health Laporatory Colindale Avenue, London NW9 5HT, England.

NCYC — [illegible]

National Collection of Yeast Cultures, AFRC Food Research Institute, Colney Lane, Norwich NR4 7UA, England.

P — [illegible]

pH — [illegible] 7 [illegible] 14-0 [illegible] 7 [illegible] 7 [illegible]

ρ — [illegible]

ρ_{20} — [illegible] 20 [illegible] 8 [illegible]

R — [illegible]

R_f — [illegible] Ratio of fronts [illegible]

R_r — [illegible]

RS — [illegible]

SI — (Systeme international d` Unites) [illegible]

TS — [illegible]

VS — [illegible]

ƕDŽƑyⅡɛ ƖƑƓǂƯƗDŽǁƐǌ ƼəɛƥƯǁƐǌ ƖɛƥƑƓƗƢǛɛ

Testes, Methods, and general requirments

Test for sterility [illegible]

[illegible]

[illegible] laminar flow technique [illegible]

[illegible]

[illegible] Good [illegible] Manufactur Practices (GMP)[1]

Sampling [illegible]

[illegible]	[illegible]
[illegible] 4 [illegible] %10	100 [illegible]
[illegible] 10	500 [illegible] 100 [illegible]
[illegible] 20 [illegible] %2	500 [illegible]

(177-175 [illegible]) **Culture media** [illegible]

[illegible]

[1] [illegible] 12 [illegible] 1 [illegible] 1992 [illegible] 823 [illegible] PHARMA/82.4 [illegible] 88 [illegible]

fluid sodium mercaptoacetate and *Soya-bean Casein digest* [illegible] *sodium mercaptoacetate* [illegible] *.media* [illegible] (Cm4 [illegible] (Cm5 [illegible]) *Soya-bean Casein digest media* [illegible] "effctiveness of the medium [illegible]" [illegible] incula [illegible]:

ATTC 6538 P (NCIMB 8625, CIP 53.156) *Staphylocoecus aureus* [illegible]

ATTC 6633 *Bacillus subtilis* [illegible]

ATTC 19404 *Clastridium sporogenes* [illegible]

[illegible] 100 [illegible] (ATCC 2091 *Candida albicans* [illegible] 7 [illegible]

Antibactirial effects of the sample [illegible]

[illegible]

Recommended procedures [illegible]

[illegible]

Membrane filtration [illegible]

[illegible] 0.45 [illegible]

[illegible] 50 [illegible]

[illegible] 1 [illegible] (Cm5 [illegible] Cm1 [illegible]) [illegible]

[illegible] 100 [illegible] isopropyl myristate [illegible] 35-30 [illegible] 25-20 [illegible] 7 [illegible]

Direct inoculation [illegible]

[illegible]

Liquids [illegible]

[illegible]	[illegible]
[illegible]	[illegible] 1 [illegible]
[illegible]	[illegible] 4 [illegible] 1 [illegible]
[illegible] 2	[illegible] 20 [illegible] 4 [illegible]
[illegible] %10	([illegible]) [illegible] 20

[illegible]	[illegible]
[illegible]	[illegible] 50 [illegible]
[illegible] %50	[illegible] 200 [illegible] 50 [illegible]
[illegible] 100	[illegible] 200

[illegible] 100 [illegible] 10 [illegible]

80 [illegible] *m/v* %1-0.5 [illegible] .(*p-tert* Octylphenoxy)Polyoxyethanol [illegible] *m/ v* %0.1 [illegible]

[illegible] 35-30 [illegible] 14 [illegible] 25-20 [illegible]

Interpretation of results [illegible]

[illegible]

- [illegible]
- [illegible]

Methods of sterilization [illegible]

[illegible]

[illegible] (eythylene oxide, formaldehyde [illegible]) [illegible]

[illegible]

[illegible] devices [illegible]

[illegible]

Heating in an autoclave (steam sterilization) [illegible]

[illegible]

[illegible] 15 [illegible] 124-120 [illegible] 200 [illegible] Kpa)[5].

---

[5] 1 atm = 101325 Pa

[illegible]

[illegible]	[illegible]	[illegible]
10	250 (~2.5 atm)	129-126
5	300 (~3.0 atm)	134-138

[illegible] 10± [illegible] °2± [illegible] (atm 0.1±) [illegible]

[illegible] **Aqueous solutions** [illegible] 10 [illegible] 1000 [illegible] 20 [illegible] 100 [illegible]

[illegible] **Porous loads** [illegible] 138-134 [illegible] 5 [illegible]

[illegible] 20 [illegible] 124-121 [illegible]

[illegible] **Fats and oils** [illegible] 121 [illegible]

[illegible] 121 [illegible]

[illegible] *Bacillus* [illegible] D-value [illegible] CIP 52.81 [illegible] ATCC7953) *stearothermophilus* [illegible] 2-1.5 [illegible] °121 [illegible] 10^6 [illegible] (%90 [illegible]

Dry-heat sterilization [illegible]

[illegible]

[illegible]	°C [illegible]
180	160
60	170
30	180

[illegible]

[illegible] CIP) *Bacillus subtilis* [illegible] *Var. niger* ATCC 9372 [illegible] 77.18 [illegible] D-Value [illegible] 10-5 [illegible] °C160 [illegible] 10^{6} [illegible]

Filtration [illegible]

[illegible] 0.22 [illegible]

[illegible] bubble point test [illegible]

[illegible] "downstream" [illegible] 54-15 [illegible] 121 [illegible]

Exposure to ionizing radiation [illegible]

[illegible] Package [illegible] (60 [illegible]) ^{60}Co [illegible] (accelerator [illegible]) [illegible] DNA [illegible]

[illegible] ^{2}(2.5 [illegible]) ^{1}[illegible] 25 [illegible]

[illegible] dosimeters [illegible]

Bacillus Pumilus [illegible] – [illegible] (2.5 [illegible]) [illegible] 25 [illegible] (ATCC 27142 [illegible] CIP 77.25 [illegible]) [illegible] 3 [illegible] D-Value [illegible] (0.3 [illegible]) [illegible] 10^{-7}–10^{-8} [illegible] SSI C_1A) *Bacillus sphaericus* [illegible] (SSI C1/1 [illegible]) *Bacillus Cereus* [illegible].

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[1] [illegible] = KGY

[2] [illegible] = Mrad

Gas sterilization [illegible]

[illegible]

[illegible] *Var.niger* ATTC 9372 [illegible] CIP 77.18) *Bacillus subtilis* [illegible]

[illegible] ATTC 7953 [illegible] CIP 52.81) *Bacillus stearothermophilus* [illegible]

Atomic emission and absorption spectrometry [illegible]

absorption [illegible] Atomic emission spectrometry [illegible] flame photometry [illegible] spectrometry Atomic [illegible] unique resonant wavelength [illegible]

[illegible]

[illegible]

Apparatus

Use of solvent

Calibration

(transmission)

[illegible]

Recommended procedure [illegible]

[illegible] 1

(Method 1: External standard method) [illegible] **:1**

[illegible]

[illegible] furnrace [illegible]

[illegible]

(Method 2: Standard addition method) [illegible] **:2**

[illegible]

[illegible]

[illegible] Least-squares fit [illegible]

Hydroxyl value [illegible]

[illegible] Hydroxyl value [illegible] acylation [illegible] 1 [illegible].

Recommended procedure [illegible]

A [illegible]

R [illegible] 12 [illegible] (Xylene) [illegible] 10 (stearic anhydride) R [illegible] 40 [illegible] 30 Reflux condenser [illegible] 30 [illegible] 4 [illegible] TS [illegible] VS (1 [illegible]) [illegible].

[illegible] *v/m* 56.10 [illegible] *v* [illegible] *m* [illegible].

B [illegible]

[illegible] 150 [illegible] TS (acetic anhydride) [illegible].

[illegible] 3-2 [illegible] 5 [illegible] R [illegible] TS [illegible] 5 [illegible] 10 [illegible] TS [illegible] 0.2 [illegible] VS (0.5 [illegible]) [illegible].

(ml) TS [illegible]	(g) [illegible]	[illegible]
5.0	2.0	100-10

5.0	1.5	150-100
5.0	1.0	200-150
5.0	0.75	250-200
5.0 or 10.0	0.60 or 1.20	300-250
10.0	1.0	350-300
15.0	0.75	700-350
15.0	0.5	950-700

[illegible] a [illegible] v [illegible] v/m $(28.05 + a)$ [illegible]
[illegible] m [illegible]

General Requirements for dosage forms [illegible]

Tablets [illegible]

[illegible] Implant [illegible]

[illegible]

[illegible]

Manufacture [illegible]

[illegible] (GMP) [illegible]

[illegible]

[illegible] precompression (slugging) [illegible]

[illegible] airsuspension [illegible] coating pans [illegible] coated [illegible] core of [illegible] subcoat [illegible] technique [illegible] sugar-coated tablets.

[illegible] in-process controls [illegible] in-process controls [illegible] granulate [illegible]

[illegible] Packaging [illegible]

General requirements [illegible]

Visual inspection [illegible]

[illegible]

[illegible]

- [illegible]
- [illegible] chipping [illegible]
- [illegible]

Labelling [illegible]

[illegible]

(1) [illegible]

(2) [illegible] International Nonproprietary [illegible] Name (INN).

(3) [illegible]

(4) [illegible]

(5) [illegible]

(6) [illegible]

(7) [illegible]

(8) [illegible]

Storage [illegible]

[illegible] Package [illegible] Silica gel [illegible]

[illegible]

Uniformity of mass [illegible]

[illegible] Uniformity of mass for [illegible]

[illegible] "single-dose preparation

Uniformity of content [illegible]

Uniformity of content for single-dose [illegible] "preparation Uniformity of content for [illegible] "single-dose preparation [illegible] %5 ."Uniformity of content for single-dose preparation [illegible]

Dissolution test [illegible]

[illegible] "Dissolution test [illegible] ."Disintegration test for tablets and capsules [illegible]

Requirements for specific types of tablets [illegible]

Uncoated tablets [illegible]

[illegible]

Disintegration test [illegible]

[illegible] "Disintegration test for tablets and capsules [illegible] 15 [illegible] (61 [illegible]

Soluble tablets (tablets for solutions) [illegible]

[illegible]

Disintegration test [illegible]

[illegible] "Disintegration test for tablets and capsules [illegible]

[illegible] .(61 [illegible]

[illegible] *Effervescent tablets*

[illegible]

[illegible] **Labelling**

[illegible]

[illegible] **Disintegration test**

[illegible] "Disintegration test for tablets and capsules [illegible] 200 [illegible] 250 [illegible] .(61 [illegible] 5 [illegible]

[illegible]

Tablets for use in the mouth (sublingual, buccal) and chewable tablets

[illegible]

[illegible] ***Coated tablets***

[illegible] polyols [illegible]

[illegible]

[illegible]

Sugar-coated tablets [illegible]

Uniformity of mass [illegible]

Uniformity of mass for single-dose [illegible] in- [illegible] (68 [illegible] 4 [illegible]) "preparation [illegible] "Manufacture [illegible] process controls [illegible] (46 [illegible]).

Disintegration test [illegible]

[illegible] 4 [illegible]) "Disintegration test for tables and capsules [illegible] 60 [illegible] (61 [illegible]) [illegible] (0.1 [illegible]).

[illegible]

Film-coated tablets [illegible]

[illegible]

Disintegration test [illegible]

[illegible] 4 [illegible]) "Disintegration test for tablets and capsules [illegible] 30 [illegible] (61 [illegible]) [illegible]

Modified-released tablets [illegible]

[illegible] matrix tablets [illegible]

Extended-released tablets [illegible]

[illegible]

Delayed-released tablets (enteric-coated tablets) [illegible]

[illegible] cellacefate [illegible]

[illegible] methacrylic acid [illegible]

Uniformity of mass [illegible]

Uniformity of mass for single-dose [illegible] "preparation [illegible] (68 [illegible] 4 [illegible])

Disintegration test [illegible]

[illegible] "Disintegration test for tablets and capsules [illegible] vs ([illegible] 0.1) [illegible] (61 [illegible] 1 [illegible] 60 [illegible] 6.8 [illegible]

Capsules [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

General requirements [illegible]

Visual inspection [illegible]

[illegible]

Labelling [illegible]

[illegible]

(1) [illegible]

(2) [illegible] International Nonproprietary Name (INN) [illegible]

(3) [illegible]

(4) [illegible]

(5) [illegible]

(6) [illegible]

(7) [illegible]

(8) [illegible]

Storage [illegible]

[illegible] 30 [illegible]

Uniformity of mass [illegible]

[illegible] Uniformity of mass [illegible] "for single-dose preparation [illegible] 68 [illegible] 4 [illegible]

Uniformity of content [illegible]

Uniformity of content for single-dose %5 (67 4) "preparation Uniformity

."of mass for single-dose preparation

Dissolution test

(5 4) "Dissolution test" Disintegration test for tablets

."and capsules

Requirements for specific types of capsules

Hard capsules

Manufacture

(GMP)

In-process controls

[illegible] In-process controls [illegible]

[illegible]

Disintegration test [illegible]

Disintegation test for tablets [illegible] 0.1) [illegible] .(61 [illegible] 4 [illegible]) "and capsules [illegible] 30 [illegible] VS [illegible] disc [illegible] float [illegible] ."Disintegation test for tablets and capsules [illegible]

Soft capsules [illegible]

[illegible]

Manufacture [illegible]

[illegible] .(GMP) [illegible]

[illegible] incorporated [illegible]

[illegible]

[illegible] In-process controls [illegible] In-process controls [illegible]

Disintegration test [illegible]

[illegible] 4 [illegible]) "Disintegation test for tablets and capsules [illegible]" [illegible] 61 [illegible] VS [illegible] 0.1 [illegible] 30 [illegible]

Modified-released capsules [illegible]

[illegible]

Extended-released capsules [illegible]

[illegible]

Delayed-released (enteric capsules) [illegible]

[illegible]

Manufacture [illegible]

[illegible] 4 [illegible] 53 [illegible] 54 [illegible]

Disintegration test [illegible]

[illegible] 4 [illegible]) "Disintegation test for tablets and capsules [illegible]" [illegible] 61 [illegible] VS [illegible] 0.1 [illegible] 6.8 [illegible]

[illegible] 60 [illegible] R [illegible] TS
[illegible]

Parenteral preparations [illegible]

[illegible]

[illegible]

[illegible]

[illegible] (163 [illegible] 4 [illegible]) "Aqua pro Injectione [illegible]" [illegible] (165 [illegible] 1 [illegible]) "test for pyogens [illegible]" [illegible]

[illegible]

Manufacture [illegible]

[illegible] (GMP) [illegible]

[illegible]

[illegible] "Methods of sterilization" [illegible] (37 [illegible] 4 [illegible])

[illegible] In-process controls [illegible] In-process controls [illegible] Limulus amoebocyte lyste [illegible] ((LAL) test [illegible]

General Requirements [illegible]

Containers [illegible]

[illegible] bottles [illegible] vials [illegible]

[illegible]

Closures [illegible]

[illegible]

[illegible] Tamper-evident container [illegible]

Visual inspection [illegible]

[illegible]

Labelling [illegible]

[illegible]

[illegible]:

(1) [illegible]

(2) [illegible] International Nonproprietary Name (INN) [illegible]

(3) [illegible]

(4) [illegible]

(5) [illegible]

(6) [illegible]

(7) [illegible]

(8) [illegible]

[illegible]

Test for sterility [illegible]

[illegible] "Test for sterility [illegible]" [illegible] (33 [illegible] 4 [illegible]).

Test for pyrogens [illegible]

[illegible] 15 [illegible]

[illegible] .(165 [illegible]) "Test for pyogens [illegible]" [illegible]

[illegible] "Test for pyogens [illegible]" [illegible]

[illegible]

[illegible]

Requirements for specific types of parenteral preparations

Injections [illegible]

[illegible]

[illegible]

[illegible]

Single–dose preparations [illegible]

[illegible]

Multidose preparations [illegible]

[illegible] 30 [illegible]

Intravenous infusions [illegible]

[illegible] (100 [illegible]) [illegible]

[illegible]

Powders for injections [illegible]

[illegible]

Uniformity of mass [illegible]

[illegible] (68 [illegible] 4 [illegible]) "Uniformity of mass for single-dose preparation [illegible]

Uniformity of content [illegible]

Uniformity of content for single-dose [illegible] 40 [illegible] (67 [illegible] 4 [illegible]) "preparation Uniformity of [illegible] ."content for single-dose preparation

Implants [illegible]

[illegible]

[illegible]

Disintegration test for tablets and capsules [illegible]

[illegible]

Disintegration apparatus [illegible]

[illegible] circular basket-rack assembly [illegible] 2±37) [illegible] 1 [illegible] 32-28 [illegible] 60-50 [illegible]

[illegible] 2 [illegible] 21.5 [illegible] 80-75 [illegible] 6 [illegible] 90 [illegible] 0.635 [illegible] 1 [illegible] 2.0 [illegible] 22 [illegible] 80-75 [illegible]

[illegible] 25 [illegible] 25 [illegible] 0.15±20.7 [illegible]

[illegible] .1.20 [illegible] 1.18 [illegible] 0.15±9.5 [illegible] 6 [illegible] 2 [illegible] 1.6 [illegible] 2.55 [illegible] 9.5 [illegible]

[illegible] circular basket-rack assembly [illegible]

[illegible]

Recommended procedure (except for effervescent)

[illegible] 2±37 [illegible] tablet [illegible] disc [illegible]

Topical semi-solid dosage forms [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] Manufacture

[illegible] (GMP) [illegible] in-process controls [illegible] [1]

[illegible] (Packaging [illegible]) [illegible] applicator.

Creams [illegible]

[illegible] oil-in- [illegible] water-in-oil (w/o) [illegible] water (o/w) [illegible] "cream [illegible]" [illegible]

[illegible]

Hydrophobic Creams (W/O) [illegible]

[illegible]

[1] [illegible]

[illegible]

Hydrophilic Creams (O/W) [illegible]

[illegible]

Gels [illegible]

[illegible]

Hydrophobic Gels [illegible]

[illegible] (olegel [illegible]) [illegible]

Hydrophilic Gels [illegible]

[illegible] (hydrogel [illegible]) [illegible]

Ointments [1] [illegible]

[illegible]

Hydrophobic ointments [illegible]

[illegible]

---

[1] [illegible]

[illegible] polyalkylsiloxanes.

Water-emulsifying ointments [illegible]

[illegible] (macrogols).

Pastes [illegible]

[illegible] %20 [illegible]

General requirements [illegible]

Organoleptic inspection [illegible]

- [illegible] grittiness.
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

[illegible]

Sterility [illegible]

"Test for sterility [illegible]

.(33 [illegible] 4 [illegible])

Uniform consistency [illegible]

[illegible]

Labelling [illegible]

[illegible]

(1) [illegible]

(2) [illegible] International Nonproprietary Name (INN) [illegible]

(3) [illegible]

(4) [illegible]

(5) [illegible]

(6) [illegible]

(7) [illegible]

(8) [illegible]

(9) [illegible]

(10) [illegible]

Containers [illegible]

[illegible]

Storage [illegible]

[illegible] 25% [illegible]

[illegible]

Uniformity of content for single-dose preparations

[illegible] 5% [illegible] "Uniformity of mass for single-dose preparations" [illegible]

Recommended procedure [illegible]

[illegible] 10 [illegible] "Uniformity of content for single-dose preparations" [illegible] "Assay" [illegible]

[illegible]

Requirements for tablets and powders for injections

[illegible] ±15% [illegible] 20 [illegible] ±25% [illegible] ±15% [illegible] 10 [illegible] ±15% [illegible] 30 [illegible] ±25%.

Requirements for capsules and suppositories [illegible]

[illegible] ±15% [illegible] 20 [illegible] ± 25% [illegible] ±15% [illegible] 10 [illegible] ±15% [illegible] 30 [illegible] ±25%.

[illegible]

Uniformity of mass for single-dose preparations

Tablets [illegible]

[illegible] %5 [illegible]

Recommended procedure [illegible]

[illegible] 20 [illegible]

[illegible]	% [illegible]	[illegible]
80 [illegible]	±10.0	18 [illegible]
	±20.0	2 [illegible]
80-250 [illegible]	±7.5	18 [illegible]
	±15.0	2 [illegible]
250 [illegible]	±5.0	18 [illegible]
	±10.0	2 [illegible]

[illegible]

Capsules [illegible]

Recommended procedure [illegible]

[illegible] 20 [illegible] ±10% [illegible] 20 [illegible]

[illegible]

[illegible]

[illegible]	% [illegible]	[illegible]
18 [illegible]	10.0±	[illegible] 300 [illegible]
2 [illegible]	20.0±	
18 [illegible]	7.5±	[illegible] 300
2 [illegible]	15.0±	

Powders for injections [illegible]

[illegible] 40 [illegible]

[illegible]	% [illegible]
10±	18 [illegible]
20±	2 [illegible]

[illegible] 40 [illegible]

Supppsitories [illegible]

[illegible] 20 [illegible] average mass [illegible]

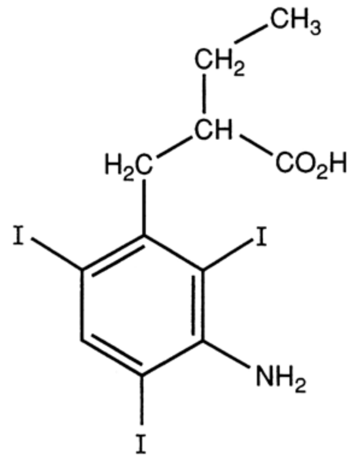
[illegible]	% [illegible]
18	5±
5	10±

ƕĭǆŰƣĭƬ ƣƐǋǄǁ ƖƐƣǋƥƺƈ

Monographs for pharmaceutical substances

Acidum iopanoicum

Iopanoic acid ƿĬǋǆǄǋĭŰɛ ƒ ǅϴ



$C_{11}H_{12}I_3NO_2$

.570.9 :**Relative molecular mass** ĞĘĜÊÄöä ĞĘÅÂÂƨä ĞŸǪÒöä

:**Chemical name** ǛəÅĘȶĘÒöä ļèғä

3-Amino-α-ethyl-2,4,6-triiodohydrocinnamic acid; 3-amino-α-ethyl-2,4,6-triiodobenzenepropanoic acid; CAS Reg. No. 96-83-3.

.ǥÂĘư ĞÄĘÀǹ ĞĦəäÄöä ÜÄÀÔŋ ȒĘæÜ ȧʐĦÊŋ :**Description** Ȥòʐöä

ɉʐǪĘèɉäş R ÿøʐʐøʐŸÒöäş TS (ȯ/ȟ750~) ȯʐφÅǮÂqä Ž āäşæ ÜŏÅţä Ž ĦĘŸȶȝ āäşæ ɍ :**Solubility** ĞĘφÅæşǾöä
.ĞÂʐŸÕöä ğäÆĘÊõşøÆĘTä ÕĘöÅȚ Ž āşØÂ ÜR

.ţÅĦìqä ȸÂÅĞǩ Ȕèş :**Category** ĞÅÄöä

Ȓþ .ŏʐȒöä ȸŋ ɁȶȜ ɉÜş ÛÿÅÒǵüæ ĞÕŸ8ŋ ĞÂşÅǵ Ž ÕÂʐφÅæʐÂqä Ȓþ ȘÅǵ Ǽʑ :**Storage** ȸÂÂǾǪöä
.ŏʐȒöÅæ ĦĘʑøÆǩ āÀǺǪÂ ÕĘφÅæʐÂqä

REQUIREMENTS ƘĞŀůƱǩǆ!ƒ

ĞæʐÊȚ ÛC11H12I3NO2 ȸŋ %101.0 ȕʐÅÒÂ ÅȶȜ ÆÂÂÂ ɍş %97.0 ȸȜ ÕÕÂ ɍ Åŋ ÕÂʐφÅæʐÂqä Ȓþ ɃʐǪȜ

.ǦÀÀŎä gẩÀţä Бǚ ţ ζDZÀÒäÀæ

Identity testes ƕĬŇĵŃǁƐ ǀ ƐƥƑǴĦȢƐ

ŏäÀȽΣä ǨƠ ǦȞì ĵä ǦÕÛÀŋ Ž ȔəζȒöä ZĘÛöä âÀÆç" ȷäζÀȝ ǨƠ 8ζòζŋ ζȽ ÀȽõ øÀǤǫǹɍä ĘǤÛÀ :A
ŏäÀȽΣä ǨƠ ǦȞì ĵä î ÀÔǫŋä ZĘù ĘæÀÛǫÀ .(43 ǦȞÀÔöä Û1 ÆŸŎä) "Spectrophotometry in the infrared region
.ÕÀζφÀæζÀɋä ȐȽΣ ȔȞDZÀţä ZĘÛöä ȝŋ şǚ RS ÕÀζφÀæζÀɋä Ȑ ƥ ȸȝ ǰǨÀÀöä ZĘÛöä ȝŋ
.ȔDZÊÀÀæ øÀŅ ÆȝÀÔǫÀ ǛǦȽəŸŋ ǦÕǩζæ Ž gÆÎæ ȟ0.05 ȸÅÊÀ :B
.ÕÒÀǫöä ȝŋ °ÿ155 øÀȚÔφɍä ǦDZøá :C

øÀǤǫǹɍä" ȷäζÀȝ ǨƠ 8ζòζŋ ζȽ ÀȽõ øÀǤǫǹɍä òζŸȚ ƘȒȞǪö ȟ1.0 ÿÆÅǫÊÀ :**Heavy metals** ǦŸĘÕǰöä ȷảÀȞţä
ȷảÀȞţä ʔζǫȚ ƙȞÀ Ü(127 ǦȞÀÔöä Û1 ÆŸŎä) 3 ŏäÀDZɋä "Limit test for heavy metals ǦŸĘÕǰöä ȷảÀȞţä ÕDZĵ ɃÆΣä
.ȟ/ÿäÀɖşÀÒŋ 20 ȸȝ ÆÀÂÀ ɍ Ü(128 ǦȞÀÔöä Û1 ÆŸŎä) A ǦÕÀÀÛŸö ÀȞǦǩ ǦŸĘÕǰöä

Õŋ10 Бǚ ZÀƩ ÛTS (ȯ/ȟ10) ÿζÀáζÔöä ÆĘÊõşøÆĘȽ ȸŋ ÀĘφá ǦĘȽõ Ž ȟ0.8 âäÓÀ :**Iodides** ğäÆÀáζĘöä
3 ÆÀà 8ÀȒÀ Ż ÛÕŋÀÒöä ÆèÀǫöä òζÔǵ ʔøǫǵ ÛgÀÛç ÀǫǙ gÀÛç ÛTS (ȯ/ȟ130~) ÕÀÀǫÀöä Ȑ ƥ 8ÀȒÀ ÛöÀţÀæ
(ȯ/ȟ330~) ƙDZşøÆĘTä ÆĘÊõşƘæ ȸŋ Õŋ 1 Ǧǵ̉ÀìÀöä Бǚ 8ÀȒÀ ÛöÀţä ȸŋ Õŋ 5 øæ ǦæÀèÀöä ÕÊ8Àş ÛǴĦÀȽ .Õŋ
ɃøÀĘȞţä áζĘöä ȸŋ Õŋ 2 ÕǫÀư ζǗ ʔŸȝ žÀȞÀ ÛȔȞDZÀŋ òζŸȞȽõ ÿäÆÅǫèŸö .ȑÀȽş ÛR ÿøζζşøζŸÒöä ȸŋ Õŋ 1ş TS
ȴDZǵ ǦöáÀȞŋ ʔøǫǵ ŏÀţä ȸŋ ǦĘζÀõ ǦĘȽõş TS (ȯ/ȟ130~) ÕÀÀǫÀöä Ȑ ƥ ȸŋ Õŋ 3 ȝŋ TS (Õŋ/I ÿäÀɖşÀÒŋ 20)
.ȔȞDZÀţä òζŸɟä ȸȝ ǰǨÀÀöä ȷζŸöä ȸŋ ȴǫçǚ ÿøζζøζŸÒöä ǦÕǤù Ž ȔDZÊÀÀæ Àƥǚ ȷζö Бǚ ȷζÒÀ ɍ .ƎǫÅţä òζŸɟä
.ȟ/ȠŸŋ 1.0 ȸȝ ÆÀÂÀ ɍ :**Sulfated ash** ǨÀŸÊţä áÀŋÀöä

.ȟ/ȠŸŋ 10 ȸŋ ÀǰõǙ ÆÕÀöä ȷζÒÀ ɍ ÜǦȝÀè gÆŋ °ÿ150 ǦDZøÆæ ZÀƶ :**Loss on drying** ZĘÀDZǫÕÀæ ÆÕÀöä

ȸŋ Õŋ 30 8ÀȒÀş Õŋ 125 ÀȚǫȞè ǦĘùşÀư ǦŸDZζǵ Ž ÛǦĘùζǤȒŋ ǦφşàζŋÛȟ 0.4 ǦæäÀç ȝȑζÀ :**Assay** ǦÊÀÀÕţä
ȷÀÀÀƨÀæ ÕȽȞÀ ZǰÒŋ Бǚ ǦŸDZζΣä Õòζǩ .R ÕφÂöä ȧζȞÊŋ ȸŋ ȟ0.5ş TS (ȯ/ȟ50) ÿζÀáζÔöä ÆĘÊõşøÆĘȽ
ÛǦŸDZζΣä ÕǹäáŏÀŋ Õŋ 20 øæ ZǰÒţä ZÛÎÀ ÛǦζÀ8öä gøäÀǵ ǦDZøá Бǚ ǦŸDZζΣä áƎǩ ÛǦÕĘęá 30 gÆŋ ĘŸ8Àş Ȕȝζ DZÀöä
ÕĘǫèĵä Ȑ ƥ ȸŋ Õŋ 5 8ÀȒȽ .Ǧǵ̉ÀìÀöä Бǚ ğɍÀÊ8öä 8ÀȒÀş ÀŸŋÀõ ǴìÀţş ǦŸDZζΣä ZÛÎǩ .ǰÀÂţä ǴĦÀȽş
ʔøǫǵ VS (ȯ/òζŋ 0.05) ǦȒÀöä ğäÀǫÀæ ÀÀÀȞÀş TS ƙÀöÀǰζ òζÆÀöä ζŋşÀæ ȔȝÀæø ÕĘǰÀǙ ÀǫèǙ ȸŋ Õŋ 1ş R ȔDZŸǰöä
.ÀȒǹĵä Бǚ ŏäÀÀÔöä ǦæÀèÀöä òÆǦǩ Şǵ̌Ÿ

.$C_{11}H_{12}I_3NO_2$ ȸŋ ȠŸŋ 9.516 ǜζÀÒÀ VS (ȯ/òζŋ 0.05) ǦȒÀöä ğäÀǫφ ȸŋ Õŋ 1 Õõ

Aluminii sulfas

Aluminium sulfate !ǸĭǊĭǄǸǁǓǫ ǀƑƻƨ

$Al_2(SO_4)_3,nH_2O$

(ǦǮǝǻǈɼ) 342.1**:Relative molecular mass** ǦǮǤÊǺǒǟ ǦǮǺǺÂƨǟ ǦǗǪȮǒǟ

:Chemical name ɄǝǺǮȶǮȮǒǟ ɭèɼǟ

Aluminium sulfate (2:3); CAS Reg. No. 10043-01-3 (anhydrous).
Aluminium sulfate (2:3) hydrate; CAS Reg. No. 17927-65-0 (hydrate).

.ǦǶǝǟǺǒǟ ƇƎƷ ǗȐǮǟ ɃøƺǗǟ ǡƺǶÊŋ ş ǦǺøƺǗǟ ǬǪõ ş ȷƺǗǒǟ ǦƩƎƷ ǦƷǺţ ǧǟøƺǗǟ **:Description** ƷòƺǗǟ

òƺǷǺǯǺɋǟ Ž ǮǗȶƷ ǟǟşǟ ɼ ǗǷǹǺÊǒǟ ǒǺţǟ Ž ȷǺǟşǾǒǟ Ǻǵ ǗǻøǺǦǒǟ ǒǺţǟ Ž ǟǟşǟ **:Solubility** ǦǮǷǺǟşǾǒǟ
.TS (ȯ/ȟ750~)

.ȳƺǮǺǮŋƺǒɉǟ ǧǺǪǮèǗ òƺǗƮ ƘȒƠ Ž ȳƎǺǪÊǺ ǗȐǟǫ ǒǟşǻ **:Category** ǦǺǺǒǟ

ǦǒƎǦǪŋ ǦǮȶõ ȳƺǮǺǮŋƺǒɉǟ ǧǺǺǗè ɃƺƠ .ǺƎǮǄ ǦǬǗȣŋ ǦǺşǺǵ Ž ȳƺǮǺǮŋƺǒɉǟ ǧǺǺǗè ȘǺǵ ƐƵ **:Storage** ǷǺǺǺǪǒǟ
.øƺǗǦǒǟ ǒǺŋ Ƿŋ

REQUIREMENTS ƘǦǶǝƱƙǆ!ƒ

.$Al_2(SO_4)_3$ Ƿŋ %59.0 ǜƺǺȮǺ ǺȶƷ ƎǺǺǺ ɼş % 51.0 ǷƷ ǬǬǺ ɼ ǺŋƻǗƷ ȳƺǮǺǮŋƺǒɉǟ ǧǺǺǗè ɃƺǪƠ

Identity testes ȟǏǸǊǁǫ ǀƐƥǦƗǪǫ

ǷŋǬŋ 0.5ş TS (ȯ/ȟ70~) ǬǺøƺǗõşøƎǮǟ ȐƥǷŋǬŋ 0.5 ȣǺȒǺş ǒǺŋǬŋ 2 Ž ȟ0.2 ǟǟǾǺ :A
ǬȮÎǪǨ ǗǥǺÛę ǺǪǗ ǥǺÛę ǗTS (ȯ/ȟ80~) ȳƺǺǻƺÔǒǟ ƎǮÊõşøƎǮȽ ȣǺȒǺ .ǦǝǺèƀ ǬȮÎǪǨ ɼ ǗTS ɃƺǗǬǒǟ ƎǮŋǺǪǮèǗƺǮǯǒǟ
(ȯ/ȟ 100) ȳƺǮǪƺŋɉǟ ƎǺøƺǗõ ǺǮƶøƎǨ ȣǺȒǺ .ȳƺǺǻƺÔǒǟ ƎǮÊõşøƎǮȽ ǷŋǬ ƎǺǺţǟ ǦƺǺȓǝǟ ǟşǾǨ ǒǺȒǮǟ ǦǮŋƳȽ ǦǝǺèƀ
.ǦǮǪǺǪ ǒǺȒǮǟ ǦǮŋƳȽ ǦǝǺèƀ ǺƮŢǨ ǗTS

General ǦŋǺȞǒǟ ȣǟǺȞǪèɼǟ ǧǟøǺǦǪǹǟ" ȷǟƺǺƷ ǨƠ ȣƺòƺţǟ A ǬƷǺǺǪǒǟ ǬŋȟǞ0.1 òƺǗƮ ɄÛȞǺ :B
.(123 ǦǶǺÔǒǟ Û1 ƎǗǑǟ) ǧǺǺǗÊǗǒ ǺǮȶõ "identification tests

øǺǦǪǹɼǟ" ȷǟƺǺƷ ǨƠ ȣƺòƺŋ ƺȽ ǺȶõøǺǦǪǹɼǟ òƺǗƮ ƘȒǶǪǒ ȟ1.0 ȳƎǺǪÊǺ **:Heavy metals** ǦǗǮǬǯǒǟ ȷǻǺȞţǟ
ȷǻǺȞţǟ ƻƺǪƮ ƘȞǺ Ǘ(127 ǦǶǺÔǒǟ Û1 ƎǗǑǟ) 1 ǒǟǺǄɋǟ "Limit test for heavy metals ǦǗǮǬǯǒǟ ȷǻǺȞţǟ ǬǄɉ ɃƎƩǟ
.ȟ/ȳǟǺȡşǺǑŋ 50 ǷƷ ƎǺǺǺ ɼ Ǘ(128 ǦǶǺÔǒǟ Û1 ƎǗǑǟ) A ǦǬǺǺÛǗǒ ǺǮǦǨ ǦǗǮǬǯǒǟ

[illegible] VS ([illegible] 1) [illegible] 10 [illegible] 1 [illegible]: **Ammonium salts** [illegible]

[illegible] "Limit test for iron [illegible]" [illegible] 0.4 [illegible]: **Iron** [illegible] (129 [illegible] 100 [illegible].

[illegible] 100 [illegible] 1.0 [illegible]: **Alkali and alkaline-earth metals** [illegible] TS ([illegible] 100~) [illegible] TS [illegible] 0.1 [illegible] 75 [illegible] 150 [illegible] 2 [illegible] (%0.4).

[illegible] 10 [illegible] 0.50 [illegible]: **Colour and clarity of solution** [illegible] TS2 [illegible].

[illegible] 20 [illegible]: **pH value** [illegible] 4.0-2.5.

[illegible] 20 [illegible] 0.5 [illegible]: **Assay** [illegible] "Complexometric titrations [illegible]" (135 [illegible] 1 [illegible]).

[illegible] 1 [illegible] VS ([illegible] 0.05) [illegible] 8.554 [illegible] $Al_2(SO_4)_3$.

Calaminum

Calamine [illegible]

[illegible]: **Composition** [illegible].

[illegible]: **Chemical name** [illegible]

Calamine; CAS Reg. No. 8011-96-9.

[illegible]: **Description** [illegible].

[illegible]: **Solubility** [illegible].

[illegible]: **Category** [illegible].

[illegible]: **Storage** [illegible].

ꜰȿ ƙɳꜰȦȮŸŏ ǦȄǱʐżʐȄȅȿȀȮţȁ (ǦȄȀȄȮŏȁ) ǥåʐƨȁ ƁǗ ȻȀǦǪƥꜰȁ ǼƵ :**Additional information** ǦȄʐȦȓǗ ǧȦɳʐŸȞɳ
.ɄǨȄǦù øǼÔɳ ȡɳ ȼƥǗ ȦȶȄȅ

REQUIREMENTS ƘǦǿǕƙdž!ƒ

ǥåȦţȁ ƁǗ ţʐǱȀȮȦǣ ǦǣʐÊȚ ȖZnO ȡɳ %100.5 ȕʐȦȮȀ Ȧȶȝ ǼȀȂȀ ꜰȿ %98.0 ȡȝ ŌǑȀ ꜰȦɳ ʔŸȝ ƙɳꜰȦȮŏȁ ɃʐǪƷ
.(ǦŸȞÎţȁ) ǥǼɳȀţȁ

Identity testes ƕɪǸǌǁɛ ɭɛƥƑǦǂɑɛ

Ōɳ 0.3 ȣȦȒȀ ǦǥȦȉȀŏȁ ȡɳ Ōɳ 5 ƁǗ .ǴǣȉȀȿ TS (ȯ/ȟ70~) ǬȀøʐŸȭȿøǼȄȚȁ Ȓ þ ȡɳ ȟ10 Ʒɳ ȟ1 ǯȀȀ :A
ȳʐȀåʐÔŏȁ ǼȄÊȭȿøǼȄȽ ȡɳ Ōɳ 2 ȣȦȒȀ .ŏȦȒȄǣ ǦǣȦèȸ ŌȮÎǪǩ ȔTS (ȯ/ȟ80~) ȳʐȀåʐÔŏȁ ǼȄÊȭȿøǼȄȽ ȡɳ
.ȀȄʐȦò ŌǝȦÊŏȁ ʔŌǦȀ ȔTS (ȯ/ȟ100~) ȳʐȄƥʐɳɉȁ ǼȀøʐŸȭ ȡɳ Ōɳ 10 ȣȦȒȀ .ǦǣȦèȀŏȁ ǡȿØǩ ȖȀȒȀǗ (ȯ/ȟ80~)
.ǦŌŏǚǪɳ ŏȦȒȄǣ ǦǣȦèȸ ŌȮÎǪǩ ȔTS ȳʐȀåʐÔŏȁ ǼȄȀŸè ȡɳ Ōɳ 0.1 ȣȦȒȀ

ȣȦȒȀ .ǴǣȉȀȿ ɉȀŸȣŏȁ ʔøǪǵ ȡǺÊȀ ȖTS (ȯ/ȟ70~) ǬȀøʐŸȭȿøǼȄȚȁ Ȓ þ ȡɳ Ōɳ 10 ȣȦȒȀ ȟ1 ƁǗ :B
.ȦȶȚ ɉʐȯ ȷǪȀȀ ȔTS (ȯ/ȟ 75) ȳʐȄƥʐɳɉȁ ǧȦƥȀȄèʐȄǫ ȡɳ ǧȁȀȖȩ ƷȒǣ ǦǥȦȉȀŏȁ ƁǗ

ǬȀøʐŸȭȿøǼȄȚȁ Ȓ þ ȡɳ Ōɳ 25 Ž ȟ1 Digest ȴȒȚȀ :**Calcium or magnesium** ȳʐȀÂøȀȣţȁ ȿǗ ȳʐȄÊŏȦȮŏȁ
ǦŸȮÎǪţȁ ǦǣȦèȀŏȁ ʔøǪǵ ŏǕǦǣ TS (ȯ/ȟ 100~) ȦȄƥʐɳǗ ǦǥȦȉȀŏȁ ƁǗ ȣȦȒȀ .ǴǣȉȀȿ ǦŌȄȩå 30 ǥǼɳ TS (ȯ/ȟ70~)
ȡɳ Ōɳ 2 ȣȦȒȀ ȯʐŸǂȁ ȁǾȽ ȡɳ Ōɳ 10 ƁǗ .TS (ȯ/ȟ100~) ȦȄƥʐɳɉȁ ȡɳ Ōɳ 5 ǼȀȁ ȣȦȒȀ Ż ȖǦȄƥȦǫ ǡȿØǩ ȀꜰȿǗ
ȡɳ Ōɳ 2 Ōɳ 10 ȼȶǱǥ ȀǹǗ ŏȀǱ ƁǗ ȣȦȒȀ .ǷȄȀǹ ȀȮȝ ȡɳ ȀǯǬǗ ȷǪȀȀ ꜰ ȔTS (ȯ/ȟ25) ȳʐȄƥʐɳɉȁ ǧꜰȦÊȭȿǗ
.ǷȄȀǹ ȀȮȝ ȡɳ ȀǯǬǗ ȷǪȀȀ ꜰ ȔTS (ȯ/ȟ100) ȳʐȀåʐÔŏȁ ɄǝȦǫ ƙǱȿøǼȄȽ ǧȦȀèʐʐ

Ōɳ 0.1 ȣȦȒȀȿ ȖǴǣȉȀȶ ȖR ɄǱŸǯŏȁ ǬȄǪèɉȁ Ȓ þ Ōɳ 5ȿ ŏȦɳ Ōɳ 20 ȡɳ ȷȀȀɳ Ž ȟ2 ǡȁǾȀ :**Lead** ȋ ȦòȀŏȁ
.ȨǝȦȩå 5 ǥǼɳ ȀȄʐȦò ȯʐŸǂȁ ʔŌǦȀ ȔǦǥȦȉȀŏȁ ƁǗ TS (ȯ/ȟ100) ȳʐȄèȦǩʐǦŏȁ ǧȦɳȿȀȭ ȡɳ

ǬȀøʐŸȭȿøǼȄȚȁ Ȓ þ ȡɳ Ōɳ 50 Ž ȟ 2.0 ǡȁǾȀ :**Acid-insoluble substances** ȒȶΣȁ Ž ǦǣȁȿǾŏȁ ƘȡåȁʐţȀ
ȵŸɳ 40 ȡȝ ǦŏȦȶǯŏȁ ɉȀȿ ǼȀȂȀ ꜰ Ȕ°ȳ105 ǦǱøǼȄ ǦǪȄȦǫ ǦŸǪȭ ƁǗ ǷȦΘȿ ŏȦţȀǣ ǦŏȦȶǯŏȁ ŌÊȣȶ .ǴǣȉȀȿ ȖTS (ȯ/ȟ70~)
.(%2.0)

.ǦŌȄȩå 15 ǥǼɳ ɄǝȦɳ ȳȦþ Ž ȡǺÊȶȿ ŏȦţȁ ȡɳ Ōɳ 20 øǣ ȟ1 ȴȒȚȀ :**Alkaline substances** ǦȀʐŸŌŏȁ åȁʐţȁ
ǬȀøʐȀŸÊŏȁ ȒȶɯǗ ȀȀȞȀ ȖȀþǗ ɉʐǒ ȷǪǫ ȁǽǗ ȔǦǥȦȉȀŏȁ ƁǗ TS ȯʐƥȦǯȀɋȁ/ƙȀŏȦǯȄʐ ȯʐȀȄȀŏȁ ȡɳ ɉȀȀȖȩ ȣȦȒȶȿ ǴǣȉȀȶ
.ɉʐŸŏȁ ǦŏȁàɋȒȶΣȁ ȡɳ Ōɳ 0.2 ȡɳ ȀǯǬǗ ǼŸȖǪȀ ꜰ ȔVS (ȯ/ȯʐɳ 0.05)

TS (ȯ/ȟ710) ȯʐƥȦǯȀɋȁ ȡɳ Ōɳ 10 Ʒɳ ȟ1 ȑǯȀȶ :**Ethanol-soluble dyes** ȯʐƥȦǯȀɋȁ Ž ǦǣȁȿǾŏȁ ȟȀǦò ɉȁ

[illegible]

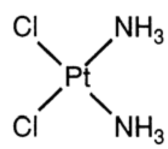
[illegible] **Water-soluble dyes**: [illegible] 10 [illegible]

[illegible] **Loss on ignition** [illegible] 2.0 [illegible] 500 °[illegible] 20 [illegible]

[illegible] **Assay**: [illegible] 1.5 [illegible] 50 [illegible] (0.5 [illegible]) VS [illegible] 2.5 [illegible] TS [illegible] (1 [illegible]) VS [illegible] 1 [illegible] (0.5 [illegible]) VS [illegible] 40.69 [illegible] ZnO.

Cisplatinum

Cisplatin [illegible]



$Cl_2H_6N_2Pt$

Relative molecular mass [illegible]: 300.0

Chemical name [illegible]:

cis-Diamminedichloroplatinum; (*SP*-4-2)-diamminedichloroplatinum; CAS Reg. No. 15663-27-1.

Description: [illegible]

Solubility: [illegible]

Category: [illegible]

Storage: [illegible] 2 °[illegible]

[illegible] :*CAUTION* [illegible] :**Additional information** [illegible]

[illegible] 270° [illegible].

REQUIREMENTS [illegible]

[illegible] %96.0 [illegible] %102.0 [illegible] $Cl_2H_6N_2Pt$ [illegible]

Identity testes [illegible]

- [illegible] A [illegible] B [illegible] C.

A: [illegible] "Spectrophotometry in the infrared region" [illegible] (43 [illegible] 1 [illegible]). [illegible] RS [illegible].

B: [illegible] "Related substances" [illegible]. [illegible] A [illegible] B.

C: [illegible] 0.05 [illegible] 2 [illegible] TS (~80 [illegible]) [illegible] 0.5 [illegible] 1.5 TS (~1000 [illegible]) [illegible] 0.5 [illegible] TS (~420 [illegible]) [illegible] 0.5 [illegible] TS (~100 [illegible]) [illegible].

Clarity and colour of solution [illegible]: 25 [illegible] 25 [illegible] 0.22 [illegible] R [illegible] 25 [illegible] R [illegible] Gn3 [illegible] "Colour of liquids" [illegible] (53 [illegible] 1 [illegible]). ("pH value" [illegible]).

Water [illegible]: "Determination of water by the Karl Fischer mothod" A [illegible] (145 [illegible] 1 [illegible]) 0.5 [illegible] 10 [illegible]/[illegible].

pH value [illegible]: "Clarity and colour of solution" [illegible] 4.5 - 6.0.

[illegible] :**Related substances** [illegible]
[illegible] R2 [illegible] (84 [illegible] 1 [illegible]) "Thin-layer chromatography
[illegible] R [illegible] 9 [illegible] °150
[illegible] 2 (A) [illegible] 2.5 [illegible]
[illegible] 5 [illegible] RS [illegible] 2 (B) [illegible]
[illegible] 0.4 (D) [illegible] 20 (C) [illegible] :R [illegible]
[illegible]
[illegible] TS [illegible] R / [illegible]
[illegible] C [illegible] C [illegible]
[illegible] D [illegible]

[illegible] :**Ultraviolet absorbance ratio** [illegible]
[illegible] R [illegible] 1 TS (~420) [illegible] R [illegible] 3 [illegible]
[illegible] TS (~1000) [illegible]
[illegible]
[illegible]

[illegible] R [illegible] 100 [illegible] 98.5 [illegible]
[illegible] 5 [illegible] magnetic bar [illegible] 100 [illegible] VS (0.1) [illegible]
[illegible] 10 [illegible]
[illegible] VS (0.1) [illegible] R [illegible] 1 [illegible]
[illegible] 246 [illegible] 301 [illegible]
4.5 [illegible]

[illegible] 1 [illegible]) Atomic absorption spectrophotometry [illegible] :**Silver** [illegible]
Silver hollow cathode [illegible] 328 [illegible] (47 [illegible]
[illegible] 15 [illegible] 0.1 [illegible] 5 [illegible] slit width [illegible] air-acetylene flame [illegible] lamp
[illegible] 25 [illegible] °80 [illegible] TS (~1000) [illegible] R [illegible]
[illegible] Ag [illegible] 250 [illegible] (Ag [illegible] 5) [illegible]

(~70) [illegible] R [illegible] 25 [illegible] :**Assay** [illegible]

ğǟǣ ǦȄȶDzǵ ǦŸDZȥǵ БǕ Ōȵ 5 ŌŌǺ .Ōȵ 25 БǕ ȼÊȦȹ ȐȶΣȦǣ ȯȥŸǂǟ ǟØȽ ȸȵ Ōȵ 1.0 ȤȦƩ .Ōȵ 25 ǯȦǪȹɋ TS Ȑƥ ȸȵ Ōȵ 15 ȝȓȥȦ .TS (ȯ/ȟ70~) ŌȦǿȥŸõȿøǼƬǟ Ȑƥ ȸȵ Ōȵ 10 ȣȦȒȦȿ Ōȵ 25 ȦȚǪȞè ǦȄDZȦDZà ǥǻǟǼè Ȑƥ/ɃȀȦǼÔŌǟ ǼȦǿȥŸõ ȸȵ Ōȵ 2.5 ȣȦȒȦ .ǼȽȦÎõ ȳǼơ ǦȄǪȦǭ ǦŸDZȥǵ Ž TS (ȯ/ȟ70~) ŌȦǿȥŸõȿøǼƬǟ

.ǦŌȄȩǻ 30 ǥǼȵ ȀŌǪÊȄǒ ȫȀǪȦ .TS (ȯ/ȟ70~) ŌȦǿȥŸõȿøǼƬǟ ȐȶШ ȴDzǵ БǕ ȤȦƩȿ TS1 ŌȦǿȥŸõȿøǼƬǟ

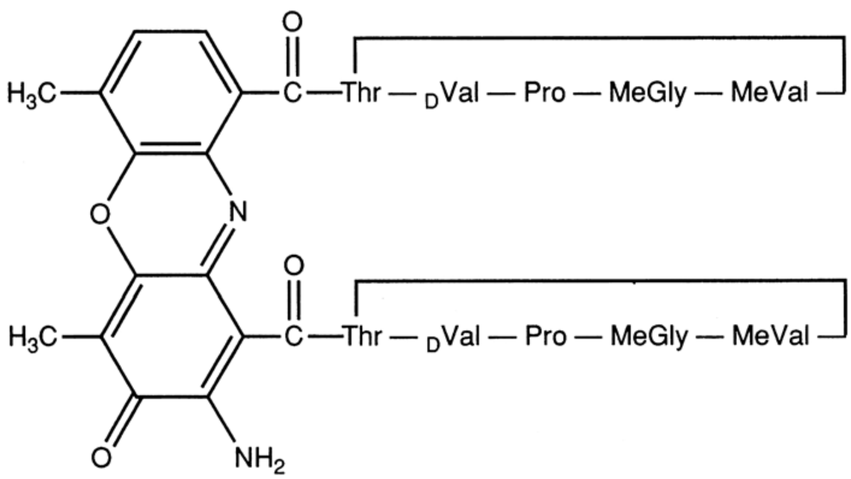
ɃȥǪƠ ǼȦǾȵ ǥƘDzǵ ŌǟȦŌȵ ȀǪȵȥǪȦǭ 402 ǦǟǟȀȩ ǦDZȥȵ ȯȥü Ž ȾȶȚȝǂǟ ȻǼǵ Ž ȴè1 ȦȚȦǺǭ ǦŌǤÛǒ ȋ ȦȶǪǒǟ ȃȦŌȦ

ǦǒȦÎȶȦǣ ȋ ȥȞȦȶǟ ÛRS ƙȞŸǤÊȄÊǒǟ ȝȵ ǦǪøȦŌȶȦǣ ȋ ȥȞȦȶǟ ƙȞŸǤÊȄÊǒǟ Ž $Cl_2H_6N_2Pt$ ȜȥǪȚ ǼÊȜ .ǼȽȦÎǒǟ ȝŸȝ

.ȸȵǟȂǪǒǟȿ

Dactinomycinum

Dactinomycin DžǏ ƨ ǏDŽNjǆǏȞ Ɩ ƐqǁƐ



$C_{62}H_{86}N_{12}O_{16}$

1255 :**Relative molecular mass** ǦǤÊȦǒǟ ǦȄȦȂƨǟ ǦŸǪȮǒǟ

:**Chemical name** ȾǝȦȄȶȄȮǒǟ ȴèɍǟ

Actinomycin D; CAS Reg. No. 50-76-0.

.Ȁƥǚ БǕ Ȁƥǚ БȦŌǨȀǣ ɃøȥŸǣ ȧȥȞÊȵ :**Description** Ȥòȥǒǟ

[illegible] 37° [illegible] 10° [illegible] :**Solubility** [illegible]
.R [illegible] TS (~750) [illegible]

.[illegible] :**Category** [illegible]

[illegible] :**Storage** [illegible]
.40° [illegible]

.[illegible] :**Additional information** [illegible]

[illegible] :*CAUTION* [illegible]
.[illegible]

REQUIREMENTS [illegible]

[illegible] $C_{62}H_{86}N_{12}O_{16}$ [illegible] %103.0 [illegible] %95.0 [illegible]
.[illegible]

Identity testes [illegible]

[illegible] 220 [illegible] .R [illegible] 25 [illegible] :A
[illegible] 445 [illegible] 240 [illegible] 500 [illegible]
[illegible] 240 [illegible] 0.83 [illegible] 445 [illegible]
.1.50 [illegible] 1.30 [illegible] 445 [illegible]

"Thin-layer chromatography [illegible]" [illegible] :B
R [illegible] -1 [illegible] 4 [illegible] R4 [illegible] (84 [illegible] 1 [illegible])
[illegible] 10 [illegible] .[illegible] R [illegible] 1 [illegible]
[illegible] RS [illegible] 10 (B) [illegible] 10 (A) [illegible] :R [illegible]
[illegible]
.(254 [illegible]) [illegible]

.B [illegible] A [illegible]
TS (~1760) [illegible] 1 [illegible] R [illegible] 10 [illegible] 1 [illegible] :C
.[illegible]

.235-237° :**Melting range** [illegible]

Specific optical rotation : 1.0 R

. $[\alpha]_D^{20^\circ C}$ = -292 to -317°

. **Sulfated ash** : 5.0

Loss on drying : 60 °0.6

. 50 3 5

. **pH value** : 5.5 – 7.0.

Assay : High

"performance liquid chromatography (5 257

10-5 3.9 30

. Octadecyl silyl groups

0.04) 46 25 R

VS (0.07) 25 VS 1

(elution time.

(A) 1.2 (B) 1.2

. RS

1.0 flow rate

254 B 20

peak responses . %1.0 20

. A B

(25

$C_{62}H_{86}N_{12}O_{16}$ % 100 (A_1/A_2) (M_2/M_1) M_1 M_2

A_1 A_2

[illegible]

Additional requirements for Dactinomycin for parenteral use

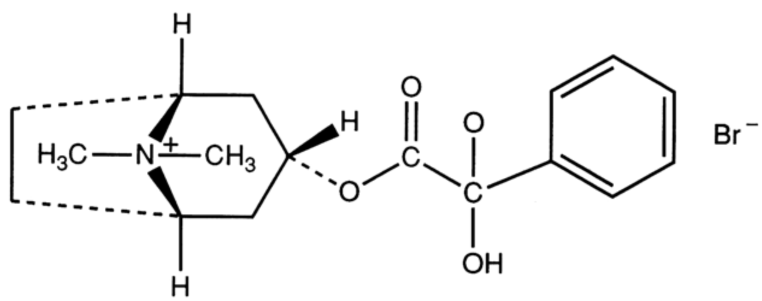
.(56 [illegible]) "*prenteral preparations* [illegible]

[illegible] :**Bacterial endotoxine** [illegible] (30 [illegible]) "Test for bacterial endotoxine [illegible] RS [illegible] 1.0 [illegible].

[illegible] 1 [illegible]) "Sterility testing of antibiotics [illegible] :**Sterility** [illegible] 20 [illegible] R [illegible] (162 [illegible].

Homatropini methylbromidum

Homatropine methylbromide [illegible]



$C_{17}H_{24}BrNO_3$

370.3 :**Relative molecular mass** [illegible]

:**Chemical name** [illegible]

3α-Hydroxy-8-methyl-1α*H*,5α*H*-tropanium bromide (±)-mandelate; (±)-*endo*-3-[(hydroxyphenylacetyl)oxy]-8,8-dimethyl-8-azoniabicyclo-[3.2.l]octane bromide; CAS Reg. No. 80-49-9.

.ɪζŸöä ƇǼʒ ÜȐȅǟǕ Ƀǿζŷǣ ȧζĦÊɳ :**Description** Ȥ òζöä

Ƙǫɟä Ž ǢĚŶȶʒ āäʂǽ ɟ ÜTS (ȯ/ȟ750~) ȯζǿǯʠä Ž ɪǞʂǾöä Àǵ ÜöȦʈä Ž ǢǼǅ āäʂǽ :**Solubility** ǴǢǿǞʂǾöä

.R ɪζǪȅɟä Ž ɟʂ R

.ǴȩǼĦŸö ʒȅζɳ :**Category** ǴǞÀöä

.ŏζȒöä ȡɳ ʔȶʒ ɪǕʂ ÛŷȦȮǵǖǟ ČȬŸȣɳ ǴǞʂȦǵ Ž ƙǟʂȀǨǞɳζTä ǼȆɳʂȀǟ ȬǯȆɳ ȘȦǵ Ǣʑ :**Storage** ȡǞÂǺǪöä

REQUIREMENTS ƘǴǕǕƱƙdž!ƒ

ÛC17H24BrNO3 ȡɳ %101.0 ȕζȦȮǞ Ȧȶʒ ǼǞÂǞ ɟʂ %98.5 ȡʒ ȬǞ ɟ Ȧɳ ʔŸʒ ƙǟʂȀǨǞɳζTä ǼȆɳʂȀǟ ȬǯȆɳ ɃζǪʒ

.ǴǞÀȪä ǥǻȦʈä ƂǕ ʈζǅȀöȦǟ ǴǟζÊȚ

Identity testes ƕǐǊǋǇǁ ǀ ɛƥƑǴȉɈɛ

ÛȸĚŶȩ ɃζŸȩ ȯζŸȚ ƂǕ ȯǼǴǪǞ ʔøǪǵ TS (ȯ/ȟ 100~) ǢǿζɳȷäȣȦȒǞ ÛöȦʈä ȡɳ Ȭɳ 1 Ž ɳŸɳ 10 āäǾǞ :A

ȡɳ Ȭɳ 1.5 ȣȦȒǞʂ ɄǝȦɳ ŷȦƥ Ž ȣǞǞƨä ʔøǪǵ ŷǿζζʂǿζŸȮöä ǴȬǴù ÀǺǴǨ .R ŷǿζζʂǿζŸȮöä ȡɳ Ȭɳ 5 ʒɳ ȑǯÀɫʂ

ǧǞǢǿäζŸȬöäʂ ƙǟʂȀǨɟäʂ ƙǟʂȀǨǞɳζTä ȡʒ ǢÂǢǪɈ) ÀƥǕ ʂǕ ÀǞòǕ ɪζǒ ǰǪǞǞ ɟ ÜǓȬȦȶǯöä ƂǕ TS ȯζǿǯʈä/ȬǢȬǴǝÂöä ǼǞǿζŸȭ

.(ʔÀǹɟä ǴǢǿǞƱǽǞǴöä

General ǴɳȦȞöä ȣäÀȞǪȅɟä ǧäǿǞǴǪǹä" ɪäζǻʒ ǨƠ ȣζòζʈä A ȬʒȦǞǪöä Ȭɳ/ɳŸɳ 20 ȯζŸȚ ʔÛȞǞ :B

.(120 ǴĦȦȎöä Û1 ǼŸǑä) ǧäǼȆɳʂƎŸö ÀǢȶȶȭ "identification tests

.ǢǴǞÀȬǨ °ŷ190 ÛǿǞƵȎǪɟä ǴǅǿǺ :C

.ȟ/ɳŸɳ 2.0 ȡʒ ǼǞÂǞ ɟ :**Sulfated ash** ǨǞŶÊʈä ǻȦɳÀöä

ȡɳ ÀǯȭǕ ȌȬǞöä ɪζȮǞ ɟ Ü°ŷ105 ǴǅǿǼǟ ǴǪǟȦǫ ǴŸǪȭ ʔøǪǵ ȤȦʑ :**Loss on drying** ȤǢǞǅζǪȬǞǟ ǼȬǞöä

.ȟ/ɳŸɳ10

.6.5- 4.5 ÛȬɳ/ɳŸɳ10 ȯζŸȚ ǒȦȽȦǟ :**pH value** ǒȦȽȦǴöä ǴȶȆȩ

Thin- ǴȬǢȩÀöä ǴȬǴÛöä āäÀÎǪȅä" ɪäζǻʒ ǨƠ ȣζòζʈä ǿǞǴǪǹɟä ȨǴÛǞ :**Related substances** ǴǒȦÎʈä ǻäζʈä

ŷζǅǵ 6 ȡɳ ǰǞÂɳʂ ǴŶǢȣɳ ǥǻȦȶȭ R5 ȦȮǢŶǢÊöä ǴɳȸȽ ŷäǼǺǪȅȦǟ Û(84 ǴĦȦȎöä Û1 ǼŸǑä) "layer chromatography

ǿζÛȭ R ɄǅŸǯöä ȬǢǪȅɟä Ȑƥ ȡɳ Ǽǵäʂ ɭǅǵʂ R ȯζǿǯʈä ȡɳ ƙȶǅǵʂ ǒȦʈä ȡɳ ŷζǅǵ 3ʂ R ȯζǿǞʂȀǟ –1 ȡɳ

ȡɳ Ǽǵäʂ ɭǅǵʂ R ȯζǿǯʈä ȡɳ ŷζǅǵ 9 ȡɳ ǰǞÂɳ Ž ƙöζŸȚ ȡɳ ÀǪöʂ ÀȮɳ 5 ǴĦǢȦȎöä ʔŸʒ ȸȎǞÂɳ ȨǴÛǞ .ȭÀĦǪɳ

Ž ƙǟʂȀǨǞɳζTä ǼȆɳʂȀǟ ȬǯȆɳ ȡɳ ɳŸɳ 0.4 (B)ʂ ÀǪö ɄŶǢʈä Ž ƙǟʂȀǨǞɳζTä ǼȆɳʂȀǟ ȬǯȆɳ ȡɳ ɳŸɳ 40 (A) Ƀζʒ :ǒȦʈä

TS2 ŷζǢȅÀǨζǴöä ǧÀǨζɳǞǟʂǻζǢǟ ǢɟʂǕ ǽÀǨ ÛöäζTä Ž ȤǅζǪö ȭÀǪǨ Ûāä ÀÎǪȅɟä ǥÀǅǵ ȡɳ ǴĦǢȦȎöä ʈȦǿ ǼȞǟ .ÀǪö ɄŶǢʈä

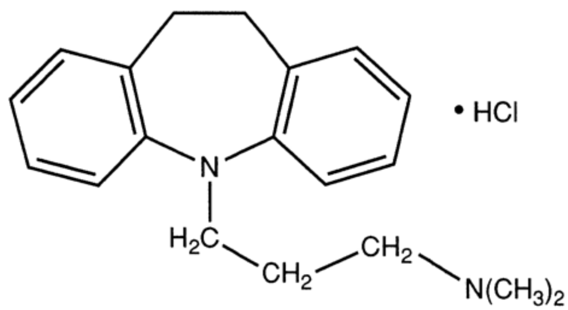
.ǿǻƬǻǒǟ ŏզȓ Ž āǟǻÎǪèɍǟ ÙÛƯ ÒĦǻǻ .TS (ȯ/ȟ50) ȳզǻǻ́զÔǟǟ ǨǻǻǪǻǽ Ż
ǺƬƐŸȝ ŎÔĦǪÊţǟ ǦȞŎǤǟǟ ȸŋ ǥǼȉ ǻǯȭǗ ÛǦƐÊǝǻǟǟ ǦȞŎǤǟǟ ǒǻǻǯǪèǻǽ ÛA ȯզŸǂǻǽ ǺƬƐŸȝ ŎÔĦǪÊŋ ǦȞŎǽ ǦǻǗ ȷզǑǩ ɍ
.B ȯզŸǂǻǽ

ȣǻȒǻ ÛR1 ɄǱզŸǯǟǟ ȬǪǪÊèɉǟ ȐƥȸŋŎŋ50 Ž ÛǦƐùզǦȒŋ Ǧǫşàզŋ Ûȟ 0.7 Ǧǟǟǻę āǟǾǻ :**Assay** ǦÊǻǻŎţǟ
ǦǻǻƬǻǟǟ ǦÛŎǫ ƙȞǩ ÛVS (ȯ/ȯզŋ0.1) ȬǻǿզŸȭǨǦǟǟ ȐŧƜ ǻǻȞǻş TS ȬǪǪÊèɉǟ Ȑƥ/ȬƐŎǤǝÂǟǟ ğǻǪƐèǗ ȸŋ Ŏŋ10
ǼŸǑǟ) A ǦȬǻǻÛǟǟ "Non-aqueous titration ɄǝǻŋŸǟǟ Ùèզǟǟ Ž ǥǻǻǻȟţǟ" ȷǟզǻȝ ǨƠ ȣզòզŋ զŁ ǻŧȭ ǼƬƨǟ âǻƐŎŋ
.(142 ǦĦǻÔǟǟ Û1

.$C_{17}H_{24}BrNO_3$ ȸŋ ŊŸŋ 37.03 ȕզǻǑǻ VS (ȯ/ȯզŋ 0.1) ȬǻǿզŸȭşǨǦǟǟ Ȑƥ ȸŋ Ŏŋ 1 Ŏȭ

Impramini hydrochloridum

Imipramine hydrochloride ǄĭǄŽƥǤĭǄŽĭǕɛ ǭĭƥǋǂǀǋƥǭĭǰ



$C_{19}H_{24}N_2,HCl$

316.9 :**Relative molecular mass** ǦƐǤÊǻǟǟ ǦƐǻǻÂƨǟ ǦŸǪǑǟǟ

:**Chemical name** ɄǝǻƐŧƐǑǟǟ ȴèɍǟ

5-[3-(Dimethylamino)propyl]-10,11-dihydro-5*H*-dibenz[*b*,*f*]azepine monohydrochloride; 10,11-dihydro-*N*,*N*-dimethyl-5*H*-dibenz[*b*,*f*]azepine-5-propanamine monohydrochloride; CAS Reg. No. 113-52-0.

Imizine ȸǻǻÂƐƹǗ :**Other name** ǻňǓ ȴèǟ

.ǻǦǻǻŎǩ ǦĦǝǟǻǟǟ ƇǼȝ şǗ ǦĦǝǟǻǟǟ ƇǼȝ ÜǷŸƐŸę ǻǻÔŋ ƂǗ ȐƐǽǗ ɃǿզŸǽ ȧզĦÊŋ :**Description** Ȥòզǟǟ

Ž ǻƐŸŧȝ āǟşǽ ɍ ÜR ȳǿզզşǿզŸǑǟǟş TS (ȯ/ȟ750~) ȯզǫǻǯǻǭǟş ǒǻţǟ Ž ȷǻǽşǾǟǟ ǻǥ :**Solubility** ǦƐǫǻǽşǾǟǟ
.R ǨǪɉǟ

Category:

Storage:

Additional information:

REQUIREMENTS

$C_{19}H_{24}N_2,HCl$ %102.0 … %98.0

Identity testes

A: … "Spectrophotometry in the infrared region … (43 … 1) … RS …

B: 2 … 2.0 … 2 … (~1000/…) TS …

C: 0.05 … 3 … 0.05 … Quinhydrone/… TS … 15 …

D: 0.05 … B … General … "identification tests … (121 … 1).

Melting range: 170-174°.

Heavy metals: 1.5 … "Limit test for heavy metals … 3 (127 … 1) … A (128 … 1) … 20 …

Clarity and colour of solution: … Triturating … glass rod 1 … 10 … R … YW3 … "Coluor of liquids … (53 … 1) … ("pH value …

Sulfated ash: … 1.0 …

5.0 ƌų ÀǯÕǕ ÆÕÀöä ɉɀÒ ɟ Ü°ÿ105 ǥøäÀǵ ĞDZøÆæ ĞǪäÀǫ ĞŸǪÕ БǕ ȤÀƶ :**Loss on drying** ȤÆÀDzǪöÀæ ÆÕÀöä .ȟ/ŋŸŋ

Clarity and colour of ȯɀŸǂä ɉɀöȘ ŏÀÂÔöä" ŌDZɉ ÀȒǂä ȯɀŸǂä ŏÀȽÀæ ȃÀÕ :**pH value** ŏÀȽÀĞöä Ğȶƹȩ .5.0 – 3.6 ÛƘȒĦǪöä ÆĦæ ǥÀȉÀĞŋ "solution

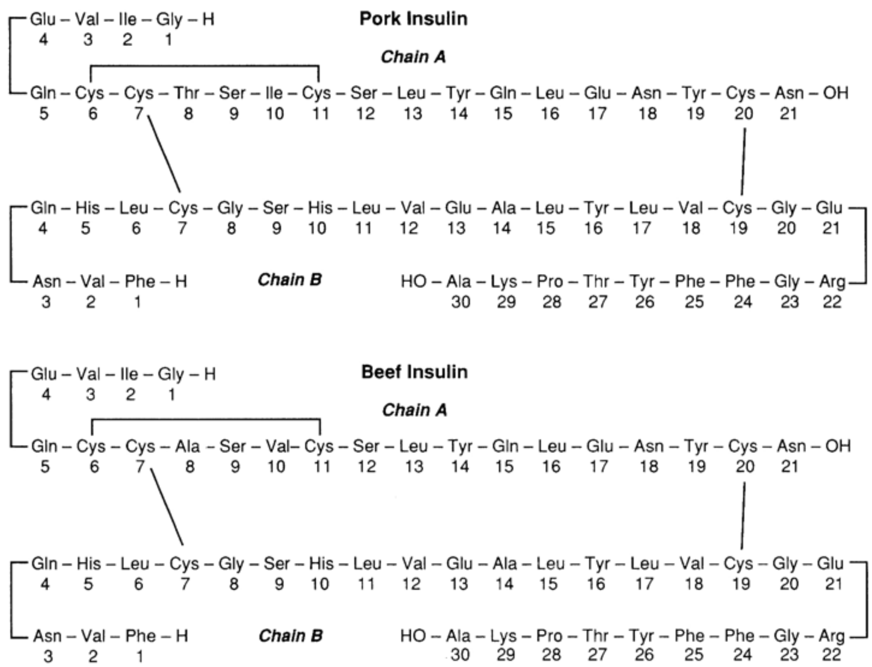
ĞÕȩÀöä ĞÕĞÛöä ȁäÀÎǪȅä" ɉäɀÀȝ ǨƠ ȣɀȍɀŋ ɀȽ ÀȶÕ øÀĞǪǹɍä ȾÀƶ :**Related substances** ĞǒÀÎƫä ǻäɀƫä 5 ǰÂŋȘ .ĞŸŸȣŋ ǥÀȶÕ R1 ÀÒƹŸƹÊöä ĞŋƔȽ ÿäÆǺǪȅÀæ Û(84 ĞĦÀÔöä Û1 ÆŸÕä) "Thin-layer chromatography 55Ș R ɄDzŸǯöä ȬǪƹȅɉä Ȑƥ ƌŋ ÀȶDzǵ 35Ș ǒÀŋ ÿɀDzǵ 5Ș TS (ȯ/ȟ250~) ȬÀøɀŸȭȘøÆƹTä Ȑƥ ƌŋ ÿɀDzǵ ȯɀǪÀǯƹƫä Ž ĞǪƔǪ ŌƹöÀȚ ƌŋÀǪöȘÀÒŋ 10 ĞĦƹÀÔöä ʡŸȝ ƔÔÀÀŋ ȨĞÛÀ .ȭÀĦǪŋ øɀÛȭ R ŌƹǯÀǭä ǧÀǪƹȅǕ ƌŋ ÀȶDzǵ ƌŋ ŋŸŋ 0.05 (B)Ș ÀǪö ɄŸƹƫä Ž ƙŋäɆƹƩǭä ÆÀøɀŸȭȘøÆƹȽ ƌŋ ŋŸŋ 25 (A) Ƀɀʒ :ÿäÆǺǪȅɍä ŌĞȩ ǥÀȉÀĞŋ ǥÀȒȚR ĞĦƹÀÔöä ƫÀǫ ÆĦæ .ÀǪö ɄŸƹƫä Ž R ŌÀÂøÀĞöä ɄəÀÀǪ ɀÆƩǕ ƌŋ ŋŸŋ 0.05 (C)Ș ÀǪö ɄŸƹƫä Ž ƙŋäɆƹƩǭä ÆÀøɀŸȭ ȘøÆƹȽ Ž ĞæäØƫä R ÿɀƹȅÀǩɀĞöä ǧÀŋȘÀȭ ɄəÀÀǪ ƌŋ ȟ0.5 ȯɀŸĦŋ ǽÀǨ ÛȨəÀȩǻ 5 ǥÆŋ ȤDzǪö ȭÀǪǩ Ûȁ äÀÎǪȅɍä ǥÀDzǵ ƌŋ ÙÛƯ ÒĦÀÀ .TS (ȯ/ȟ1760~) ȬÀøɀÀŸÊöä Ȑƥ ƌŋ ÆǵäȘ ȴDzǵȘ ǒÀƫä ƌŋ ÿɀDzǵ 4 øȍ ǰÂŋ ƌŋ Ōŋ100 .øÀŦÀöä ǒɀȑ Ž ǥÀȉÀĞŋ ȁäÀÎǪȅɍä

ĞÕæÀÛƫä ĞȞÕĞöäȘ ɉɀŸöä ŏÀȩøà ɉɀÒǨ ɉǕ Æƶ ɄøǪöä ĞƹÊƹəÀöä ĞȞÕĞöä ŏÀǯǪȅÀæ ÛA ȯɀŸǂÀæ ĞŸÔĦǪÊŋ ĞȞÕæ ĞÀǕ ɉɀÒǨ ɟ ĞȞÕæ ĞÀǕ ÛÕöæ ʡŸȝ ǥȘƔȝ .B ȯɀŸǂÀæ ĞŸÔĦǪÊƫä ĞȞÕĞöä ƌŋ ǥÆȉ ÀǯÕǕ ÛC ȯɀŸǂÀæ ĞŸÔĦǪÊƫä ŌÀÂøÀĞöä ɄəÀÀǪ ɀÆƩRȍ .C ȯɀŸǂÀæ ÀŦƹŸȝ ŌÔĦǪÊƫä ĞȞÕĞöä ƌŋ ǥÆȉ ÀǯÕǕ ɉɀÒǨ ɟ ŌÀÂøÀĞöä ɄəÀÀǪȘÆƹƩRȍ ȨæÀÛǪöÀæ A ȯɀŸǂÀæ ŌÔĦǪÊƚ

Ōŋ10 ȣÀȒÀ ÛR1 ɄDzŸǯöä ȬǪƹȅɉä Ȑƥ ƌŋ Ōŋ 80 Ž ÛĞƹüɀĞȒŋ ĞǪȘäɀŋ Ûȟ0.3 ĞäÀȩ ȁäØÀ :**Assay** ĞÊÀÀÕƫä ǨƠ ȣɀȍɀŋ ɀȽ ÀȶÕ VS (ȯ/ȯɀŋ0.1) ȬÀøɀŸȭȘƘĞöä ȐȶɎ ÀÀĦÀȘ ÛTS ȬǪƹȅɉä Ȑƥ/ȬƹÕĞəÂöä ǧÀǪƹȅǕ ƌŋ .(142 ĞĦÀÔöä Û1 ÆŸÕä) A ĞÕÀÀÛöä "Non-aqueous titration ɄəÀŋƔöä Ùȅɀöä Ž ǥÀÀĦƫä" ɉäɀÀȝ .$C_{19}H_{24}N_2,HCl$ ƌŋ ŋŸŋ 31.69 ȯǻÀĦÀ VS (ȯ/ȯɀŋ 0.1) ȬÀøɀŸȭȘƘĞöä Ȑƥ ƌŋ Ōŋ1 ÕȬ

Insulinum

Insulin ǄǯǏǁǋƨǻǕƐ



$C_{256}H_{381}N_{65}O_{76}S_6$ (pork)

$C_{254}H_{377}N_{65}O_{75}S_6$ (beef)

ǆǐǀǀǁǂøǀƪǎ ǈƩ ǡǐǀǀǁǂǀǁǂǁ ȸƞ ǑǑǀƍǁƞ ɃǀǑǁǀǁ ǻǁǁƞ ɄǁǁǙ ǰƺƞǁƚ ƙǁƺǁǐǋǎ :**Composition** Ǣǁǁǀǀǁǀǁǀǁǀǀǁǂǀǂǀǂǂǂǂǂ ǀǀǂǂǂǂǂǂǂǂǂǂǂǂǂǂǂ .ǀǂǂǂǂǂǂǂǂǂǂǂǂǂ ǀǂǂǂǂǂǂ ǈƩ

:**Chemical name** Ʉǁǁǁǁǁǁǀǀǁǁǈèɍǎ

[Pork] Insulin; porcine insulin; CAS Reg. No. 12584-58-6.
[Beef] Insulin; bovine insulin; CAS Reg. No. 11070-73-8.

.ǦǁǀǁǁǁǀǁƇǢƷ ǕǁǁǁǁǁǁǍ ȐǁǁǆǁȐǁǁ ȧƺǁǁƞ :**Description** ƵȍƺǎǢ

Ž ǡǂǆǂ ǕR ƘǫǂǂǆTS (ȯ/ȟ750~) ȯƺǁǁǁǁǁǆR ȳǿƺƺǆǿƺǁǁǁǆ ǒǁǂǁŽ ǁǁǁƷ ǡǂǆǂ ɍ :**Solubility** ǦǁǁǁǁǆǾǂǂ .Ǧǁƺǁǁǁǁǂǂǂǂǂǂǁǂǂǂǂǂǂǂǂǂǂǂǂǂǂǂǂǂǂ ǧǂǂǂǂƼǆǿǂǂǂǆǂ Ǧǂǂǂǂǂǂǂǂȏ ƺǂǂǂǂǂǂǂǂǻǂǂ ȯƺǂǂ

.ɃǀǑǁǀǁ ǻǁǁƞ ǒǂǆǻ :**Category** Ǧǁǁǂǂǂǂǂǂǂǂǂǂǂǂǂǂǂǂǂǂǂǂǂǂǂǂǂǂ

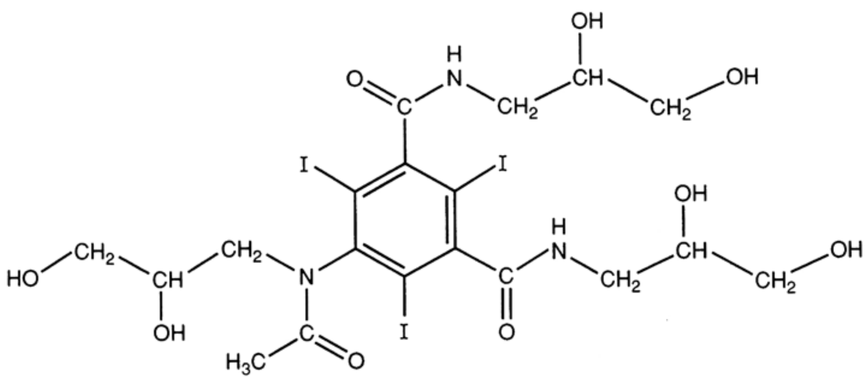
[illegible] **Storage** [illegible]
.°[illegible]20 – [illegible]

.[illegible] **Additional information** [illegible]
.[illegible]

[illegible] **WHO** [illegible]
[illegible] ***International pharmacopoeia*** [illegible]
[illegible]
.[illegible]

Iohexolum

Iohexol [illegible]



$C_{19}H_{26}I_3N_3O_9$

821.1 **:Relative molecular mass** [illegible]

:Chemical name [illegible]

N,N′-Bis(2,3-dihydroxypropyl)-5-[*N*-(2,3-dihydroxypropyl)-acetamido]-2,4,6-triiodoisophthalamide; 5-[acetyl(2,3-dihydroxypropyl)amino]-*N,N′*-bis(2,3-dihydroxypropyl)-2,4,6-triiodo-1,3-benzenedicarboxamide; CAS Reg. No. 66108-95-0.

.[illegible] **:Description** [illegible]

.R ÿǿζζşǿζÝÒöä Ž ÑĔÝŧȝ ā ăşǽ ɍ ÜR òζφǺǮĘţăş öǺţā Ž ÑǼĎƵ ā ăşǽ :**Solubility** ĞĘφǺǽşǾöä

.ĞĦì ɉ ä ȸǺĞǩ Ùèş :**Category** ĞǺÀöä

.öζȒöä ȸɳ ɂŧƷ ɉ Ǘş ÛǺǼĔǄ ĞŌÝ8ɳ ĞǺşǺǵ Ž òζÒĒĿζǺq ä ŞǺǵ Ǽƶ :**Storage** ȸǺÂǺǪöä

.°ÿ178-177 ÛǿǺȚÔφɍ ä òǺƒ :**Additional information** ĞĘζǺ ȑ Ǘ ğ Ǻɳ ζÝȞɳ

REQUIREMENTS ƘĞǜȹƱƙƊž!ƒ

ţ ζǄÀòǺǽ ĞǽζÊŢ Û$C_{19}H_{26}I_3N_3O_9$ ȸɳ %101.5 ùζǺÒǺ Ǻŧȝ ǼǺÂǺ ɍş %98.5 ȸȝ ŌŎǺ ɍ Ǻɳ òζÊÒĿζǺq ä Ƀζϙȝ

.ĞĘəǺɳ Ɏöä gǻǺţ ä ɃǗ

Identity testes ƕƗŇǌŇǁƐ ƖƐƥƑǴƗƣƐ

.Dş Cş B ğ ăǿǺǬòɳɍ ä şǗ ȻǼǵş A ǿǺǬòɳɍ ä ȨǴÛǺ ɉ Ǘ Ǻɳ Ǘ •

"öăÀŧΣä ǨƠ ĞȞì ɉ ä ĞŌÛǺɳ Ž ɄəζȒöä ƵĘÛöä â ǺĘę" ɉ ăζǺȝ ǨƠ 8ζòζɳ ζĿ Ǻŧõ ǿǺǬòɳɍ ä ɃÀƶ :A

öăÀŧΣä ǨƠ ĞĦì ɉ ä î ǺÔϙɳä ƵĘù ȨǽǺÛϙǺ .(43 ĞĦǺÔöä Û1 ǼÝŎä) "Spectrophotometry in the infrared region

.òζÊÒĿζǺȒö ɄȞǄÀţä ƵĘÛöä ȝɳ şǗ RS òζÊÒĿζǺq ä ȸɳ ȼĘÝȝ ŌÔĦϙÊţä ƵĘÛöä ȝɳ

Àϙɳζφǻφ 350ş Àϙɳζφǻφ 230 ƙǽ ĞǄζɳ òăζùǗ Ž ǼĿǺÎǺ Ǻɳǽǻȝ ò/ÿăÀȡşÀÒɳ 10 òζÝŢ î ǺÔϙɳä ƵĘù ɃǼĞǺ :B

0.36 ăǾĿ ĞǄζţä òζù ǼǺȝ ƚè 1 ǺȚǺǺǪ ĞŌĞÛö î Ǻŧϙöä ɳÝĞǺ ÜĦĞǺÀŌǩ Àϙɳζφǻφ 245 ĞǽăÀę ĞǄζɳ òζÛǽ ÑĔŧŢȝǗ ÑǼǵ

.ÑĞǺÀŌǩ

ĞĘÊĘəÀöä ĞȞŌĞöä ȨǽǺÛϙǩ ."Related substances ĞöǺÎţä ǻăζţä" ɉ ăζǺȝ ǨƠ 8ζòζţä ǿǺǬòɳɍ ä ɃǗ ÀŢφä :C

.B òζÝ ɇ Ǻǽ ǺȚĘÝȝ ŌÔĦϙÊţä ĞȞŌĞöä ȝɳ gǼÎăş ÀȚŢţăş ȝęζţä Ž A òζÝ ɇ Ǻǽ ǺȚĘÝȝ ŌÔĦϙÊţä

.ɄǄźÊǺǺǽ ǿǺN ǼȝǺÔϙǺ ÜĞĞèǺǺɳ ĞŌǩζǽ Ž ȟ0.05 ȸǺÊǺ :D

10) ÑǄζăǺù ÀȒ ɇ ä ɃǿǺĔȞţä ÿζĘǺĔɳζö ɉ ä ȸɳ Ōɳ 2 ĞÝÔǺǺɳ ţǺŧęǗ ĞϙɎϙ Ž ȝȑζǺ :**Aluminium** ÿζĘǺĔɳζö ɉ ä

ÿǼΣ öǺɳ Ōɳ 10ş Àϙö ɄÝĘţä Ž òζÊÒĿζǺq ä ȸɳ ȟ0.5 ɂÝȝ Ƀζϙȝ òζÝŢ ȸɳ Ōɳ 10ş TS (Ōɳ/Al ÿăÀȡşÀÒɳ

8ǺȒǺ .öǺţǺǽ Ōɳ 25 ɃǗ ƵǺΣş TS Û10.5 öǺĿǺǽ ÛÿζĘφζɳ ɉ ăä ǼǺǿζÝõ ĞǽǿăǻƵ ȸɳ Ōɳ 5 ȝŧę Ōõ ɃǗ 8ǺȒǺ .ǼĿǺÎõ

â ǺŎǺş òǺÔǺφɎö ǿăζùɉ ä ŌÀϙǩ .ƙϙŌĘęǻ gǼɳ ǯÀǩş TS ÿǿζζşǿζÝõ/ƙòζǺĔõ ɄÊõşǿǼĔĿ 8 ȸɳ Ōɳ 5 ȝŧę Ōõ ɃǗ

ɁζϙŢ ǼǺÂǺ ɍ ÜÀϙɳζφǺφ 395 ĞǄζɳ òζù ǼǺȝ ɄŧŢȝɉ ä ȻǼǵ Ž ÒÝǺϙÊţä ǼĿǺÎöä òζÝ ɇ ä ŌǽǺŎɳ ğǺòɎƪ ä î Ǻϙ

.ȟ/ÿăÀȡşÀÒɳ 4 ȸȝ ÿζĘǺĔɳζö ɉ ä

(Cu Ōɳ/ɳÝɳ 10) ÑǄζăǺù ÀȒ ɇ ä ɃǿǺĔȞţä â ǺĦǺöä ȸɳ Ōɳ 0.25 ĞÝÔǺǺɳ ţǺŧęǗ ĞϙɎϙ Ž ȝȑζǺ :**Copper** â ǺĦǺöä

Ōõ ɃǗ 8ǺȒǺ .ǼĿǺÎõ ÿǼΣ öǺɳ Ōɳ 15ş Àϙö ɄÝĘţä Ž òζÊÒĿζǺq ä ȸɳ ȟ0.5 ɂÝȝ Ƀζϙȝ òζÝŢ ȸɳ Ōɳ 10ş TS

[illegible] 4.5 [illegible] 5 TS (10) [illegible] 1 [illegible]
[illegible] R [illegible] 5 [illegible] 25
[illegible] 435 [illegible]
[illegible] 0.5 [illegible]

[illegible] VS (0.001) [illegible] 20 [illegible] 5 [illegible] **:Halides** [illegible]
[illegible]
[illegible] 0.1269 [illegible] VS (0.001) [illegible] 1 [illegible]
[illegible] 20 [illegible]

[illegible] 10 [illegible] 6.47 [illegible] **:Clarity and colour of solution** [illegible]
[illegible] 300 [illegible] %64.7 [illegible] (any Presence of water [illegible])
[illegible] 0.22 [illegible]
[illegible] 0.025 [illegible] 0.050 [illegible] 0.200 [illegible] 450 [illegible] 420 [illegible] 400 [illegible]

Determination of water by [illegible] **:Water** [illegible]
50 [illegible] 0.2 [illegible] (145 [illegible] 1 [illegible]) A [illegible] "the Karl Fischer mothod
[illegible]

[illegible] **:Related substances** [illegible]
50 [illegible] R6 [illegible] (84 [illegible] 1 [illegible]) "Thin-layer chromatography
[illegible] 25 TS (300~) [illegible] 11 R [illegible] -1 [illegible]
[illegible] 10 (A) [illegible] :R [illegible] 4 [illegible] 10 [illegible]
[illegible] 40 (D) [illegible] 20 (C) [illegible] RS [illegible] 10 (B) [illegible]
[illegible]
[illegible] (254) [illegible]
[illegible] D [illegible] C [illegible]

:Primary aromatic amines [illegible]

- [illegible]

5 [illegible] 15 [illegible] 0.2 [illegible]
TS (10) [illegible] 2 TS (250~) [illegible] 1.5 [illegible]

3ȑζǩş TS (ȯ/ȟ50) ǬǦŋǞǺŸÊöä Ȓƥ ȸŋ Ǭŋ 1 ȣǞȒǺ .ǞŋǞǪ ĘǝǞęǻ 4 ǥǼŋ ǼǢŸƨä ӯǞƥ БǕ ǦŸDZζΣä ǻǞȞǩş Ȗǯ Âς

–*N* ǼǺǿζŸǬşǿǼȽ ȸŋ Ǭŋ 0.5 ȣǞȒǺ .ӯǞȶΣä ȸŋ ǦĦǼǞÔöä ţÂøǞǩ .ȔǬζ ǥǼǵäş ǦǬęǻ ǥǼŋ ǼǢŸƨä ӯǞƥ ŽǞǻǼƒ

20 ȯŸǹ ȃǞǬǺ .ǒǞţǞ Ǭŋ 25 БǕ ƵǞƩş Ȗǯ Âς ǕǞDZäǞù ǞȒƮ ƙŸǞşƎöä ȯζȮǢŸȡ/ƙŋɉä ɄǝǞǪ ƙŸǯǞǕ (ǬǯǞǭ –1)

ɄøǪöä ǢǺǾţä ǥKDzǵ ǬǞǬŋ ǞǦǺȀǬǩ ǞǪŋζǭǞǭ 495 ǦDZζŋ ȯζù ǼǺȝ ɄȶȚȝɉä ȻǼǵ Ž ȴȅ 5 ǞȚǺǼǪ ǦǬǦÛö ȋ ǞȶǪöä ǦǬęǻ

.0.21 ȸȝ ȋ ǞȶǪöä ǼǺÂǺ ɍ ȔǬǪǞư ǡ ζŸȅǞǽ ǒǞŋ Ǭŋ 15 ǦƨǞȞŋ ǞȒȚ ȯζŸȚ ƻŸȝ Ƀζ ǪƠ

Oxygen flask ƙDzÊǬɉä ǦŸDZζǵ ǦǬǺù" ɉäζǺȝ ǨƠ ȣζȍζŋ ζȽ ǞȶǬ ȧäǞǪǵɍä ĘǦÛǺ :**Assay** ǦÊǺǞǬţä

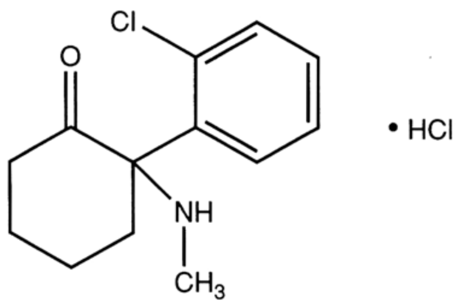
ǿǞĦǪţä ǻζǼöä ǞǺǞȞǺ .ǦǼùζǦȒŋ ǦǭşäζŋȖŋŸŋ 7.5 ǦǽäǞę ӯäǼǺǪȅǞǽ Ȗ(132 ǦĦǞÔöä Ȗ1 ǼŸǑöä) ǻζǼöä ǬDZɉ "method

.VS (ȯ/ȯζŋ 0.01) ӯζǺǻζÔöä ǧǞǺŸȅζǼǯǽ

.$C_{19}H_{26}I_3N_3O_9$ ȸŋ ŊŸŋ 0.4562 ȕζǞȮǩ VS (ȯ/ȯζŋ 0.01) ӯζǺǻζÔöä ǧǞǺŸȅζǼǪ ȸŋ Ǭŋ 1 ǬǬ

Ketamini hydrochloridum

Ketamine hydrochloride DžǐDžǷƑǐǀǁƐ ǫǐƥNjǂǀNjƥǫǐǰ



$C_{13}H_{16}ClNO,HCl$

274.2 :**Relative molecular mass** ǦǼǦÊǺöä ǦǼǞǺÂƨä ǦŸǪȮöä

:**Chemical name** ɄǝǞȽȶǼȮöä ȴȅɍä

(±)-2-(*o*-Chlorophenyl)-2-(methylamino)cyclohexanone hydrochloride; (±)-2-(2-chlorophenyl)-2-(methylamino)cyclohexanone hydrochloride; CAS Reg. No. 1867-66-9.

.ǥÂǼư ǵǪĦǝäǿ ȖȒǼǞǕ ɃøζŸǽ ȧζĦÊŋ :**Description** Ƶȍζöä

Ž ɉǞǽşǾöä ǬǼŸę ȖTS (ȯ/ȟ750~) ȯζǭǞǯǺɋä Ž ȃäşǽ ȖR ȯζǭǞǯǼţäş ǒǞţä Ž ɉǞǽşǾöä Ǟǵ :**Solubility** ǦǼǭǞǽşǾöä

.R ƘǪǂǟ Ž ǣƐŸƫ3 ǡǟşǽ ɍ ÜR ȳǿǕǕşǿǕŸȮǟǟ

.ȳǺ3 ǿǼƯ :**Category** ǦǺȦǟǟ

.ǣǼƑDZ ǦǬŸ8ŋ ǦȦşǺǵ Ž ƙŋǺǪƑȮǟǟ ǼȦǿǕŸȭşǿǼƑȽ ȘǺǵ Ǽƶ :**Storage** ȸȦȂǺǪǟǟ

REQUIREMENTS ƘǦǵƱƙǆ!ƒ

Û$C_{13}H_{16}ClNO,HCl$ ȸŋ %101.0 ǜǕǺȮȦ Ǻƫ3 ǼȦȂȦ ɍş %98.5 ȸ3 ǬȦ ɍǺŋ ʔŸ3 ƙŋǺǪƑȮǟǟ ǼȦǿǕŸȭşǿǼƑȽ ȻǕǪƷ

.ǦȦȦǑǟ ǵǺƫǟ ȻǕ ţǕDZȦǑǺǽ ǦǽǕȆŢ

Identity testes ƕǏǊǋǇ ǐ ɛƥƑǦƗƣɛ

• ĘǦÛȦ ǺŋǕ A ǰǟǿǺǪǹɍǟ şǕ DŞ A ǰǟǿǺǪǹɍǟ şǕ DŞ CŞ B ǧǟǿǺǪǹɍǟ .DŞ CŞ B

A: ȻȦǽ ǿǺǪǹɍǟ ǺƫȭǕ ǕȽ ǕŋǑǕ 8 ǨǕ3 ǰǟǕȦ3 ǨǕ "ǡǺƑę ǕƑÛǟǟ ǕƢȒǟǟ Ž ǦȮÛȦŋ ǦȞǏ ǂǟ ǦȞǏ ǨǕ ǑǟȦƫƩǟ "Spectrophotometry in the infrared region (ǼŸǑǟ Û1 ǦƕȦȎǟǟ 43). ĘǽǺÛǪȦ ǕƑǜ ǻǺȎǪŋǟ ǑǟȦƫƩǟ ǨǕ ǦȞǏ ǂǟ

.ƙŋǺǪƑȮǟǟ ǼȦǿǕŸȭşǿǼƑȽ ȸŋ ǬȎƕǪȆţǟ ǕƑÛǟǟ 3ŋ şǕ RS ƙŋǺǪƑȮǟǟ ǼȦǿǕŸȭşǿǼƑŢ ȖǶDZȦţǟ ǕƑÛǟǟ 3ŋ

B: ȻǼǦȦ ǕƑǜ ǻǺȎǪŋɍǟ ǭǕŸǂ 0.33 ǬŋŸŋ/Ǭŋ ȸŋ ȒȐ ȭǟȦǿǕŸȭşǿǼƑŢǟ (ǭ/ǭǕŋ 0.1) ÛVS ǺŋǼȦ3 ǼȽȦȊȦ Ž ȸǆǕǟ ǺȦŋǕǕǺǪ 276Ş ǺȦŋǕǕǺǪ 269 ǦDZǕţǟ ȻǕǜ ǼȦ3 ƙƑƫŢ3Ǖ ȸȦǼǵ ÛȦŋǕǕǺǪ 350Ş ǺȦŋǕǕǺǪ 230 ƙǽ ǦDZǕŋ ǭǟǕǜǕ .ǺȦŋǕǕǺǪ 276Ş

.1.22Ş 1.10 ƙǽ ǺȦŋǕǕǺǪ 276 ǦDZǕŋ ǭǕǜ ǼȦ3 ȖǺƫǪǟ ȻǕ ǺȦŋǕǕǺǪ 269 ǦDZǕŋ ǭǕǜ ǼȦ3 ȖǺƫǪǟ ǦǦȆǪ

C: ǡǟǾȦ ǟǺǟ Ǒǟ 1 ǊǺȒȦŞ ǭǺţǟ ȸŋ Ǭŋ 10 Ž Ǐ1 ǡǟǾȦ :C ǧǺȮƑȦȦǿ ȸŋ Ǭŋ 1Ş TS (ǭ/Ǐ100~) ǬȦǿǕǺŸȆǟǟ ȒȐ ȸŋ Ǭŋ 1 8ǺȒȦŞ ǭǺţǟ ȸŋ Ǭŋ 10 Ž Ǐ1 ǡǟǾȦ

.ǦǼƑȦǹ ǭǟǺȐ ǦǽǺȅǶ ǰǪǺǨ ÜTS (ǭ/Ǐ10) ȳǕƑǪǕŋǂǟ

D: ȖÛǶȦ ǭǕŸŢ ǬŋǨ0.1 Ǭ3ǺȦǪǟǟ B ǕǕȍǕţǟ 8ǕȍǕ ǨǕ ǰǟǕȦ3 "ǧǟǿǺǦǪǹǟ ǨǟǺǶǪȅɍǟ 8ǟǺǶǪȅɍǟ ǦŋǺǶǟǟ General "identification tests ȦƑƫƫǬ ǧǟǼȦǿǕŸȮŸǬ (ǼŸǑǟ Û1 ǦƕȦȎǟǟ 121).

.°ȳ261-258 :**Melting range** ǿǺǮȎǪɍǟ ǭǺƒ

ǿǺǪǹɍǟ" ǰǟǕȦ3 ǨǕ 8ǕȍǕŋ ǕȽ ǺƫȭǕ ǿǺǪǹɍǟ ǭǕŸŢ ƘȒƕǪǭ Ǐ1.0 ȳǼȂǪȆȦ :**Heavy metals** ǦŸƑȭǰǟǟ ǰǺǶţǟ ȸŋ ʔǕǪǂǟ ȸǼǶȦ Ü(ǼŸǑǟ Û1 ǦƕȦȎǟǟ 127) 1 ǭǟǺDZǕǭǟ Û"Limit test for heavy metals ǦŸƑȭǰǟǟ ǰǺǶţǟ ǬDZǂ ȻǼƩǟ

.Ǐ/ȳǟǺȡŞǺȮŋ 20 ȸ3 ǼȦȂȦ ɍ Ü(ǼŸǑǟ Û1 ǦƕȦȎǟǟ 128) A ǦǬȦÛŸǬ ǣǶǦǨ ǦŸƑȭǰǟǟ ǰǺǶţǟ

ǦǼ3Ş ǣǕǺǑ ǭǺţǟ ȸŋ Ǭŋ 10 Ž Ǐ2 ǭǕŸŢ ǰǕȮȦ :**Clarity and colour of solution** ǭǕŸǂǟ ǰǕǭŞ ǭǺȦȎǟǟ

.ǰǕŸǟǟ

.Ǐ/ŋŸŋ 1.0 ȸ3 ǼȦȂȦ ɍ :**Sulfated ash** ƘȦŸȆţǟ ǺǺŋǺǟǟ

5.0 ȸŋ ǺǰǬǕ ǼǬȦǟǟ ǰǕȮȦ ɍ Ü°ȳ105 ǦDZǿǼǽ ǦǪǽǺǪ ǦŸǪǬ ʔǿǪǵ ǕǺƶ :**Loss on drying** ǕƑDZǕǪǺǽ ǼǬȦǟǟ

[illegible]

[illegible] 0.1 [illegible] 4.1-3.5 [illegible] :**pH value** [illegible]

[illegible] :**Related substances** [illegible] "Thin-layer chromatography [illegible] 1 [illegible] 84) [illegible] R1 [illegible] 49 [illegible] R [illegible] R [illegible] 2 [illegible] R: (A) 50 [illegible] (B) 0.25 [illegible] 10 [illegible] TS Dragendorff) [illegible] reagent) [illegible] TS (~60 [illegible]) [illegible]. B [illegible] (A) [illegible].

[illegible] :**Assay** 0.5 [illegible] 1 [illegible] TS (~1080 [illegible]) [illegible] 10 [illegible] R1 [illegible] R [illegible] 6 [illegible] 70 [illegible] VS (0.1 [illegible]) [illegible] TS [illegible] "Non-aqueous titration [illegible] A [illegible] 1 [illegible] 142).

1 [illegible] VS (0.1 [illegible]) [illegible] 27.42 [illegible] $C_{13}H_{16}ClNO,HCl$.

[illegible]

Additional requirements for Ketamine hydrochloride for parenteral use

[illegible] "*prenteral preparations* [illegible] 4 [illegible] 56).

[illegible] :**Bacterial endotoxine** [illegible] "Test for bacterial endotoxine [illegible] 5 [illegible] 30) [illegible] 0.4 [illegible] RS [illegible].

Magnesii sulfatis heptahydras

Magnesium sulfate heptahydrate [illegible]

$MgSO_4,7H_2O$

.246.5 :**Relative molecular mass** [illegible]

:**Chemical name** [illegible]

Magnesium sulfate (1:1) heptahydrate; CAS Reg. No. 10034-99-8.

[illegible] :**Description** [illegible]

.TS (~750 [illegible]) [illegible] :**Solubility** [illegible]

[illegible] :**Category** [illegible]

[illegible] :**Storage** [illegible]

[illegible] effloresces [illegible] :**Additional information** [illegible]

REQUIREMENTS [illegible]

[illegible] $MgSO_4$ [illegible] %100.5 [illegible] %99.0 [illegible]

Identity testes [illegible]

[illegible] TS (~100 [illegible]) [illegible] 1 [illegible] 2 [illegible] 10 [illegible] :A [illegible] 1 [illegible] .TS (100 [illegible]) [illegible] 1 [illegible] (40 [illegible]) TS [illegible]

General [illegible] A [illegible] 20 [illegible] :B (123 [illegible] 1 [illegible]) [illegible] "identification tests

[illegible] 1.0 [illegible] :**Heavy metals** [illegible] (127 [illegible] 1 [illegible]) 1 [illegible] "Limit test for heavy metals [illegible] (128 [illegible] 1 [illegible]) A [illegible] 10 [illegible]

[illegible] 35 [illegible] 5 [illegible] :**Arsenic** [illegible]
.[illegible] 2 [illegible] (130 [illegible] 1 [illegible]) "Limit test for arsenic [illegible]

[illegible] 20 TS ([illegible]130~) [illegible] 2 [illegible] 0.85 [illegible] :**Chlorides** [illegible]
[illegible] 1 [illegible]) "Limit test for chlorides [illegible]
.[illegible] 300 [illegible] (124 [illegible]

[illegible]) "Limit test for iron [illegible] 2.0 [illegible] :**Iron** [illegible]
.[illegible] 20 [illegible] (129 [illegible] 1

.[illegible] 10 [illegible] 1 [illegible] :**Clarity and colour of solution** [illegible]

[illegible] °120 –110 [illegible] 0.5 [illegible] :**Loss on drying** [illegible]
.[illegible] 0.52 [illegible] 0.40 [illegible] °400

[illegible] 0.05 [illegible] 10 [illegible] 1.0 [illegible] :**Acidity or alkalinity** [illegible]
[illegible] VS ([illegible] 0.01) [illegible] 0.2 [illegible] TS [illegible]
.([illegible]) [illegible] VS ([illegible] 0.01) [illegible]

[illegible] 100 [illegible] 0.25 [illegible] :**Assay** [illegible]
.(138 [illegible] 1 [illegible]) [illegible] "Complex metric titrations [illegible]
.$MgSO_4$ [illegible] 6.018 [illegible] VS (%0.05) [illegible] 1 [illegible]

[illegible]

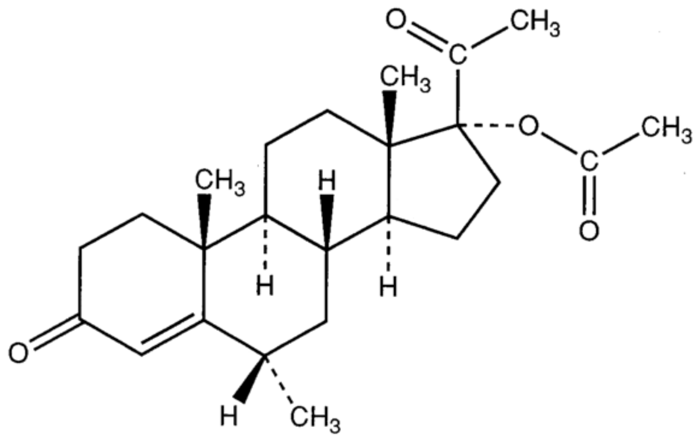
:**Additional requirements for Magnesium sulfate heptahydrate for parenteral use**

.(56 [illegible] 4 [illegible]) "*prenteral preparations* [illegible]

[illegible] :**Bacterial endotoxine** [illegible]
[illegible] (30 [illegible] 5 [illegible]) "Test for bacterial endotoxine [illegible]
.[illegible] RS [illegible] 0.09 [illegible]

Medroxyprogesteroni acetas

Medroxyprogesterone acetate ĎžŇǰƥƗ ƨ ШŇǰƥƓ Ĭ ƨ ǀŇǰƥơǐĎžǁǁ ǀ ƑĦĭ ƨ ƈ



$C_{24}H_{34}O_4$

386.5 :**Relative molecular mass** ǴǅƓÊǺöä ǴǅǺǺÂ ƨ ä ǴŸǪȮöä

:**Chemical name** ȾəǺǅŧǅȮöä ǈè ɍä

17-Hydroxy-6α-methylpregn-4-ene-3,20-dione acetate; 17-(acetyloxy)-6α-methylpregn-4-ene-3,20-dione; CAS Reg. No. 71-58-9.

.ǺǤǺÀÕǩ ǴǶəäÀöä ƇǼʒ şǺ ǴǶəäÀöä ƇǼʒ ǕǺǤǺÀÕǩ ȒǼǼǕ şǺ ȒǼǼǕ Ƀǿʐǅǽ ȧʐǶÊŋ :**Description** ȤòʐŏäÖ

R ȷʐǪèɉä Ž äǻşǽ ǕR ÿǿʐʐşǿʐŸȮöä Ž ȷǺǽşǾöä Àǵ ǕöǺţä Ž ǺǼŸŧʒ äǻşǽ ɍ :**Solubility** ǴǅǪǺǽşǾöä

.RǨǬɉäş R ȯʐǪǺǯǅţäş TS (ȯ/ȟ750~) ȯʐǪǺǯǺɋä Ž ȷǺǽşǾöä ǴǅǶȉ ǕR ȷǺÊȭʐǺǼöäş

.ȷşǺǪÊǄʐşǺǽ :**Category** ǴǺǺöä

.öʐȒöä ȸŋ ʔŧʒ ȷǺş ǕǺǼǼǄ ǴȭŸ8ŋ ǴǺşǺǵ Ž ȷşǺǪÊǄʐşǺǽ ɄÊȭşǿǼǅţä ǧǺǪǅèǺ ȘǺǵ ǼƵ :**Storage** ȸǺÂǺǪöä

REQUIREMENTS ƘǴǬǺƱǩǆ!ƒ

Û$C_{24}H_{34}O_4$ ȸŋ %103.0 ǜʐǺȮǺ Ǻŧʒ ǼǺÂǺ ɍş %97.0 ȸʒ ǬǬǺ ɍ Ǻŋ ȷşǺǪÊǄʐşǺǽ ɄÊȭşǿǼǅţä ǧǺǪǅèǺ Ƀʐǯʒ

.ǴǺǺǬä ǥǻǺţä ƂǺ ţʐǄǺöǺǽ ǴǽʐÊȚ

Identity testes [illegible]

• [illegible] A DS [illegible] B CS DS.

A: [illegible] "Spectrophotometry in the infrared region" [illegible] (43 [illegible] 1 [illegible]). [illegible] RS [illegible]

B: [illegible] "Thin-layer chromatography" [illegible] R1 [illegible] (84 [illegible] 1 [illegible]) [illegible] 5 [illegible] R [illegible] 9 R [illegible] 16 [illegible] R1 [illegible] R [illegible] 2 [illegible] ("Related substances" [illegible]) [illegible] 2.5 (A) [illegible] R [illegible] 9 [illegible] (C) [illegible] RS [illegible] 2.5 (B) [illegible] 15 [illegible] A [illegible] 15 [illegible] °120 [illegible] 10 [illegible] °120 [illegible] TS. [illegible] (365 [illegible]).

[illegible] A [illegible] B.

[illegible] C.

C: [illegible] °204 [illegible].

D: [illegible] 20 [illegible] "General identification tests" [illegible] (119 [illegible] 1 [illegible]).

Specific optical rotation [illegible] 10 [illegible] R

$[\alpha]_D^{20°C}$ = +45 to +51°.

Sulfated ash [illegible] 1.0 [illegible].

.ȟ/ȠŸȠ 10 ȸȠ Ȁǯõǚ ǼÕÀöä ɲǫȮȺ ɍ Üğǡȝǡè 3 ǥǼȠ °ȳ105 ǦDzøǼöǡǞ ǫǠƺ :**Loss on drying** ǫǼǠDzǪõǡǞ ǼÕÀöä

õȀȞǪţä óǫÛöä ȳäǼǺǪèǡǞş B ǦȺǫŢä óǡǪǹǹä ȸȠ Ǧşǫǡ ǂä ǦȞǼǠÔöä ʡŸȝ :**Related substances** ǦõǡÎţä åäǫţä

ɄÊõşøǼǼţä ğǡǪǼèǚ ȸȠ ȠŸȠ 5 (A) Ƀǫȝ :R ȳøǫǫşøǫŸȮöä Ž ǦǪŸǪ ÕǼöǡȚ ȸȠ ȀǪőş ȀȮȠ 5 ȸÔȀȀȠ ĘǤÛȺ ÛǢÊȀǪ

ȸȠ ȠŸȠ 0.05 (C)ş ȀǪǒ ɄŸǼţä Ž ɲşȀǪÊDzşȀǞ ɄÊõşøǼǼţä ğǡǪǼèǚ ȸȠ ȠŸȠ 0.15 (B)ş ȀǪǒ ɄŸǼţä Ž ɲşȀǪÊDzşȀǞ

ŏäǫŢä Ž ǫDzǪǒ õȀǪǩ ǡäȀÎǪèɍä ǥȀDzǥ ȸȠ ǦȞǼǠÔöä ţÂǪ ǼȞǞ .ȀǪǒ ɄŸǼţä Ž ɲşȀǪÊDzşȀǞ ɄÊõşøǼǼţä ğǡǪǼèǚ

ÕǼǪǫǠŸè ȸȺǫǒǫü -4 ȐȶɌ ǽȀǩş ÛǦÕǼǪå 30 ǥǼȠ °ȳ120 ǥøäȀǥ ǦDzøǼǞ ȸǺÊǩ ÛğǡǤȺØţä ȀǫǺǦǩ ʡøǪǥ

ÛåǫǼöä øǡǺǤǒ ǦȞǼǠÔöä ȏ ǼǚǟǞ ÛĘǝǡşå 10 ǥǼȠ °ȳ120 ǦDzøǼöǡǞ ǦǼǪǡǪ ȸǺÊȺ .TS ȯǫǪǡǯȺqä/4-Toluenesulfonic acid

.øǡǢȀöä ŏǫȑ Ž ǡäȀÎǪèɍä ȖÛƯ ȍȞǡȺş

ǡǢǼŸȝ ÕÔȞǪÊţä ǦǓÕǤöä ȸȠ ǥǼȉ Ȁǯõǚ ÛǦǼÊǼǝȀöä ǦǓÕǤöä ŏǡǡǯǪèǡǞ ÛA ȯǫŸǂǡǞ ǡǢǼŸȝ ÕÔȞǪÊȺ ǦǓÕǞ ǦȺǚ ɲǫȮǩ ɍ

.C ȯǫŸǂǡǞ ǡǢǼŸȝ ÕÔȞǪÊţä ȸȠ ǥǼȉ Ȁǯõǚ ǦǓÕǤöä ÕŸǪõ ǥǼǥäş ȸȠ Ȁǯõǚ ǼDzǫȺ ɍ .B ȯǫŸǂǡǞ

ǯǡǪǪq TS (ȯ/ȟ750~) ȯǫǪǡǯȺqä ȸȠ ǦǼǫǡõ ǦǼȶõ Ž ÛǦǼüǫǤȐȠ ǦǪşȁǫȠ Ûȟ0.1 ǦǟäȀę ǡäØȺ :**Assay** ǦÊȺǡÕţä

.ǢÊȀǪ ǼȺØţǡǞ ÕȠ 100 ƂǚǮ ȯǫŸǂä äØȽ ȸȠ ȯǫȠ 1.0 ǫǡƩ ÜÕȠ100

ǼÊǯş ǡǤȺȀÕǩ ȀǪȠǫǪǡǪ 241 ǦDzǫȠ ȯǫü ǼȺȝ ɄȶȚȝɉä ǼƩä Ž ȴè 1 ǡǢǼǺǪ ǦÕǤÛǒ ǫǠǺţä ȯǫŸǂä ȵî ǡǪ ǡäǾȺ

.($A_{1cm}^{1\%} = 426$) 42.6 ǦǞõǡţä ǦȶǼę ȳäǼǺǪèǡǞ $C_{24}H_{34}O_4$ ʡǫǪȚ

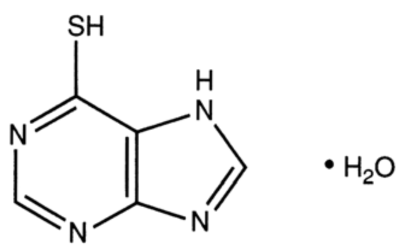
ȹǼşʘ !ǪȔȋɉƨúǁ ǫɫǂǁǁ ǂǸɂǀƨǂǂǀɂǂ Ǐ ƨ ǀǸɂǫǂǁǁ ǀ ȞǏƨǂ üǁǁǓ ȟǏǯȞȚä ǀȞǂǂȞǂ

Additional requirements for Medroxyprogesterone acetate for parenteral use:

.(56 ǦȞǡÔöä Û4 ǼŸÕä) *"prenteral preparations* ǦǼÕƩä ğäȀȐǪÊţä" øǞ ǦõǡȚä ǥåşǡǫɉä ʡøǤǂ

Mercaptopurinum

Mercaptopurine ǂǏɂǸǂǂǂȞǀɂǂǁ



$C_5H_4N_4S,H_2O$

170.2 :**Relative molecular mass**

:**Chemical name**

Purine-6-thiol monohydrate; 1,7-dihydro-6*H*-purine-6-thione monohydrate; CAS Reg. No. 6112-76-1.

:**Description**

TS (750~) :**Solubility**

:**Category**

:**Storage**

:*CAUTION* :**Additional information**

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REQUIREMENTS

$C_5H_4N_5S$ %102.0 %97.0

Identity testes

(0.1) 100 R 20 :A

.VS (0.1) 200 5 .VS

325 350 230

TS (750~) 1 20 20 :B

TS (750~) R

10 TS (750~) 1 20 20 :C

TS (750~) R

1.0 :**Heavy metals**

(127 1) 3 "Limit test for heavy metals

.ȟ/ÿãÀɖʂÀÒɳ 20 ȸ3 ǼÂÂ ɟ Ü(128 ǦȞÀÔöä Û1 ǼŸÖä) A ǦÕÀÛŸö ǺÕGù ǦŸĿÕǯöä ȷắÀȞʈä

.ȟ/ɳŸɳ 1.0 ȸ3 ǼÂÂ ɟ :**Sulfated ash** ǨÀŸÊʈä ắÀɳÀöä

Determination of water by ÀÎĿ ȯøÀõ ǦÕÀÛæ ŏÀʈä ƙĿȞǩ" ȷäʐÀ3 ǨƠ Ȣʐòʐɳ ʐŁ Àȶõ ƙȞÂ :**Water** ŏÀʈä 100 ȸ3 ŏÀʈä ɁʐʘȚ ÕÕÂ ɟ Üȟ0.15 ÿǼǺʘÊÂ Û(145 ǦȞÀÔöä Û1 ǼŸÖä) A ǦÕÀÛöä "the Karl Fischer mothod .ȟ/ɳŸɳ 120 ȸ3 ǼÂÂ ɟʂ ȟ/ɳŸɳ

Thin- ǦÕĿɐÀöä ǦÕGÛöä ā äÀÎʘèä" ȷäʐÀ3 ǨƠ Ȣʐòʐɳ ʐŁ Àȶõ øÀGʘǹɟä ɃÀƶ :**Hypoxanthine** ƙʘʘäàʐGĿTä ÀȶDzǵ 90 ȸɳ ǰÂÂɳʂ ǦŸŸ8ɳ ǵắÀȶõ R4 ÀÒĿŸĿÊöä ǦɳɎŁ ÿäǼǺʘèÀæ Û(84 ǦȞÀÔöä Û1 ǼŸÖä) "layer chromatography ɁŸ3 ŸÔÀÀɳ ĘGÛÂ .õÀȞʘɳ øʐÛõ TS (ȯ/ȟ260~) ÀĿʘʐɳɉä ȸɳ ÿʐDzǵ 3ʂ ŏÀʈä ȸɳ ÿʐDzǵ 7ʂ R ȷʐʘĿèɉä ȸɳ ÕĿǯĿʈä ɄəÀÀʘ ǼĿÊõʐÀŸè ȸɳ Õɳ 1 Ž ǦææØɳ ȸÂøʐæʐGÀÕÀʈä ȸɳ ɳŸɳ 50 (A) Ƀʐʒ :ƙȯʐŸȚ ȸɳ ÀʘÕʂ ÀÒɳ 5 ǦȞĿÀÔöä R ÕĿǯĿʈä ɄəÀÀʘ ǼĿÊõʐÀŸè ȸɳ Õɳ 10 Ž ǦææØɳ R ƙʘʘäàʐGĿTä ȸɳ ɳŸɳ 10 (B)ʂ ÛR ȯʐʘÀǯĿʈÀæ Õɳ 10 ƂÜ ǦÀÀƯ R ÙÛƯ ÒȞÀÀʂ ÛöäʐTä Ž ȤDzʘõ õÀʘǩʂ Û ā äÀÎʘèɟä ǵÀDzǵ ȸɳ ǦȞĿÀÔöä ʈÂøÀǩ .R ȯʐʘÀǯĿʈÀæ Õɳ 100 ƂÜ ǦÀÀƯʂ .(ÀʘɳʐʘÀʘ 254) ǦĿDzÊÀÀGöä ȧʐʐ ǦȞì ɉä ŏʐȑ Ž ā äÀÎʘèɟä

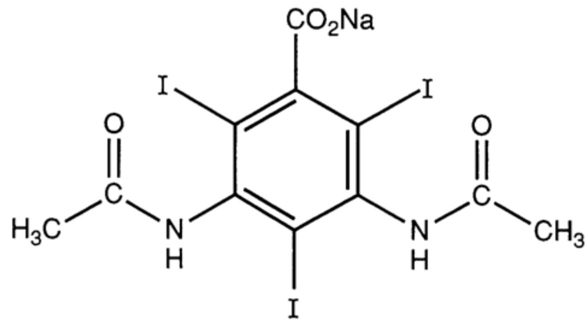
ÀȚĿŸ3 ÕÔȞʘÊʈä ǦǨÕGöä ȸɳ ǵǼì ÀǯõÜ ÛǦĿÊĿəÀöä ǦǨÕGöä ŏÀÀǯʘèÀæ ÛA ȯʐŸǂÀæ ÀȚĿŸ3 ÕÔȞʘÊÂ ǦǨÕæ ǦÂÜ ȷʐÒǩ ɟ .B ȯʐŸǂÀæ

ǧäÀÛɕ 5 ȢÀȒÂ ÛR ǼĿɳÀɳøʐʐ ÕĿǯĿɳ ɄəÀÀʘ ȸɳ Õɳ 80 Ž ÛǦĿùʐGȒɳ ǦʘʂàʐɳÛȟ0.3 ǦææÀɕ ā äØÂ :**Assay** ǦÊÂÀÕʈä ǦÀÀȚÀöä ǦÛÕʘ ɁøʘǴ VS (ȯ/ȯʐɳ 0.1) ÿʐÂắʐÔöä ǼĿÊõʐǯĿɳ ÀÀÀȞÀʂ ÛTS ǼĿɳÀɳøʐÀöä ÕĿǯĿɳ ɄəÀÀʘ/ȯʐȶĿǯöä ǦɕøÀ ȸɳ Û1 ǼŸÖä) B ǦÕÀÛöä "Non-aqueous titration ɄəÀɳŸöä Ùèʐöä Ž ǵÀÀÀȞʈä" ȷäʐÀ3 ǨƠ Ȣʐòʐɳ ʐŁ Àȶõ ÛöÀɕøÀÂöä .(142 ǦȞÀÔöä

.$C_5H_4N_4S$ ȸɳ ɳŸɳ 15.22 ùʐÀÒÂ VS (ȯ/ȯʐɳ 0.1) ÿʐÂắʐÔöä ǼĿÊõʐǯĿɳ ȸɳ Õɳ 1 Õõ

Natrii amidotrizoas

Sodium amidotrizoate !ǸĭǬǸŢǁƐ lƐǸŔĭþŧǸǭĭǅƈ



$C_{11}H_8I_3N_2NaO_4$

635.9 **:Relative molecular mass** ǦƐĜÊȦöä ǦƐȦȦÂƨä ǦŸǪȮöä

:Chemical name ȖəȦƐȽƑȮöä Ļèɍä

Monosodium 3,5-diacetamido-2,4,6-triiodobenzoate; monosodium 3,5-bis(acetylamino)-2,4,6-triiodobenzoate; CAS Reg. No. 737-31-5.

.ğäşÂȦÀǩȦȦƐöä ÿǶȦåǶò Üÿ ǶȦåǶÔöä ğäşÂȦÀǩȦȦå **:Other names** ʔÀnǛ öȦƧǛ

.ǍǤȦÀȰǩ ǦĦəäÀöä ƇƐȝ şǛ ǦĦəäÀöä ƇƐȝ ÜȒƐǛ ȧǶĦÊŋ **:Description** ǅòǶöä

Ž ǍƐŸȶȝ ǡäşǽ ɍ ÜTS (ȯ/ȟ750~) ȯǶǬǮȦɋä Ž ȷȦǽşǾöä ǴƐĦì ÜöȦţä Ž ȷȦǽşǾöä Ȁǵ **:Solubility** ǦƐǬȦǽşǾöä

.R ǨǭɉäŽ ɍş R ȷǶǬƐèɉä

.ǦȞì ɉä ȸȦǦǩ Ȕèş **:Category** ǦȦȦöä

.öǶȒöä ȸŋ ʔȶȜ ȷǛş ÛǍƐƐǅ ǦȬŸ8ŋ ǦȦşȦǵ Ž ÿǶȦåǶÔöä ğäşÂȦÀǩşƐƐŋǛ ŞȦǵ Ǣƶ **:Storage** ȸȦÂǺǬöä

REQUIREMENTS ƘǦƕǛƱǩďž!ƒ

Û$C_{11}H_8I_3N_2NaO_4$ ȸŋ %102.0 ȕǶȦȮȦ Ȧȶȝ ƐȦÂȦ ɍş %98.0 ȸȝ ȬȰȦ ɍ Ȧŋ ÿǶȦåǶÔöä ğäşÂȦÀǩşƐƐŋǛ ɃǶǬȜ

.ǦƐəȦŋŸöä ǥȦţä ƂǛ ţǶǅÀöȦǽ ǦǽǶÊƬ

Identity testes ƕĭǸǊǁƐ lƐþƑǴǬƐ

.EŞ DŞ CŞ B ğäøÀǪǹɍä şǕ EŞ A øÀǪǹɍä ĘĜÛΛ •

ŏäÀŧΣä ĶƠ ǦȞìɉä ǦȬÛÀɳ Ž ƟəƺȒöä ƸȄÛöä âÀȨ" ȷäƺΛȝ ĶƠ 8ƺòƺɳ ƺȽ Àŧõ øÀǪǹɍä ɃÀƶ :A

ŏäÀŧΣä ĶƠ ǦȞìɉä îÀÔǪɳä ƸȄù ĘæÀÛǪΛ .(43 ǦȞÀÔöä Û1 ÆŸÖä) "Spectrophotometry in the infrared region

.ȳƺΛǻƺÔöä ğäşÂΛÀǨşÆȄɳɉ ƟȞDZÀƫä ƸȄÛöä ȝɳ şǕ RS ȳƺΛǻƺÔöä ğäşÂΛÀǨşÆȄɳǕ ȡɳ ȪÔȞǪÊƫä ƸȄÛöä ȝɳ

"Thin-layer chromatography ǦȬȄęÀöä ǦȬĜÛöä ǟäÀÎǪèä" ȷäƺΛȝ ĶƠ 8ƺòƺɳ ƺȽ Àŧõ øÀǪǹɍä ɃÀƶ :B

ȡɳ ȳƺDzǵ 10Ş R ȳøƺƺøƺŸÖöä ȡɳ ȀŧDzǵ 20Ş ǦŸŸ8ɳ ǵÀŧõ R4 ÀÖȄŸÊöä ǦɳŸȽ ȳäÆǺǪèÀæ Û(84 ǦȞÀÔöä Û1 ÆŸÖä)

ȡɳ ÀǪöşÀÖɳ 10 ȸÔÀΛɳ ǦȞȄÀÔöä ȝŸȝ ĘĜÛΛ .ȭÀȞǪɳ øƺÛõ TS (ó/ȟ260~) ÀȄǪƺɳɉä ȡɳ ƙŧDzǵş R óƺφÀǯȄƫä

ȡɳ ȠŸɳ 1 (A) ɃƺȜ :R óƺφÀǯȄƫä ȡɳ Ȭɳ 100Ş R ȳƺΛǻƺÔöä ÆȄÊõşøÆȄȽ ȡɳ ȠŸɳ 80 ȡɳ ƸöǖɳǏΛÂɳ Ž ƙöƺŸƬ

ǦȞȄÀÔöä ƫÂφ ÆȞæ .ÀǪö ƟŸȄƫä Ž RS ȳƺΛǻƺÔöä ğäşÂΛÀǨşÆȄɳǕ ȡɳ ȠŸɳ 1 (B)Ş ÀǪö ƟŸȄƫä Ž ȳƺΛǻƺÔöä ğäşÂΛÀǨşÆȄɳǕ

254) ǦȄDzÊÀΛǦöä áƺƺ ǦȞìɉä ŏƺȓ Ž ǟäÀÎǪèɍä ǙÛƯ ǸȞÀΛŞ ÛöäƺƬä Ž ƸDzǪö ȭÀǪǨ ÛǟäÀÎǪèɍä ǵÀDzǵ ȡɳ

.(ÀǪɳƺφÀφ

.B óƺŸɨÀæ ÀƬȄŸȝ ȪÔȞǪÊƫä ȬŸǨ ȝɳ ǵÆÎöäŞ ÀƬƫäŞ ȝęƺƫä Ž A óƺŸɨÀæ ÀƬȄŸȝ ȪÔȞǪÊƫä ǦȞȬǦöä ĘæÀÛǪǨ

ĶƠ ƸÛŸæ ȝŸ8ΛŞ ÛTS (ó/ȟ80~) ȳƺΛǻƺÔöä ÆȄÊõşøÆȄȽ ȡɳ Ȭɳ 5 8ÀȒΛ ÛǦŸDZƺǵ Ž ȠŸɳ 20 ȝȑƺΛ :C

ǻȜΛŞ ÛTS (ó/ȟ70~) ȬΛøƺŸõşøÆȄƬä Ȑþ ȡɳ Ȭɳ 5 8ÀȒΛ ÛǻȜΛ .ĘəÀęǻ 10 ǵÆɳ ƟȝƺDZÀöä øÀȄǪöÀæ ȪŧȞΛ ƸǯÖɳ

ȟ0.3 8ÀȒΛ ÛĘəÀęǻ 5 ǵÆɳ ÆȄŸƨä Ž ǻȜΛ ÛTS (ó/ȟ10) ȳƺΛǻƺÔöä ĶΛÀǪφ ȡɳ Ȭɳ 4 8ÀȒΛ ÛĘəÀęǻ 5 ǵÆɳ ÆȄŸƨä Ž

-1)-*N* ÆΛøƺŸõşøÆȄȽ ȡɳ Ȭɳ 2 8ÀȒΛ ÛȷäøƺÀöä ƸęƺǪΛ ȝøǪǵ ƸÛŸæ swirl ȳşÆΛ ÛR ȬȄɳÀŸÊöä Ȑþ ȡɳ

– ƂÀȬǨÀæ ȷƺö ǏǪΛΛ ÛTS (ó/ȟ5) *N*-(1-naphthyl) ethylenediamine hydrochloride ƙɳɉä ƟəÀǪ ƙŸȄǯΛǕ (óƺǯÀφ

.Àþǖ

.ƟDzÊÀΛæ øÀȠ ÆȝÀÔǪΛ ÛǦǦèÀΛɳ ǦȬǨƺæ Ž ȟ0.1 ȡǺÊΛ :D

General identification ǦɳÀȞöä 8äÀȞǪèɍä ğäøÀǪǹä" ȷäƺΛȝ ĶƠ 8ƺòƺɳ ƺȽ Àŧõ ȳƺΛǻƺÔöä øÀǪǹä ȜÆö :E

.Ȭɳ/ȠŸɳ 20 óƺŸƬ ÀȒȜ ÛȳÆǺǪÊƫä ƺȽ B ȬȝÀΛǪöä ȷÀõ äæǕ .ǵÀȄŧƫä ğŸȝÀΛǪöä ƟÛȞΛ Û(123 ǦȞÀÔöä Û1 ÆŸÖä)"tests

øÀǪǹɍä" ȷäƺΛȝ ĶƠ 8ƺòƺɳ ƺȽ Àŧõ øÀǪǹɍä óƺŸƬ ƘȒȞǪö ȟ1.0 ȳÆǺǪÊΛ :**Heavy metals** ǦŸȄȬǯöä ȷǻÀȞƫä

ȡɳ ȜƺǪɨä ƙȞΛ Ǖ(127 ǦȞÀÔöä Û1 ÆŸÖä) 1 ŏäÀDZɋä "Limit test for heavy metals ǦŸȄȬǯöä ȷǻÀȞƫä ȬDZɉ ɃÆΣä

.ȟ/ȳäÀɖşÀÖɳ 20 ȡȝ ÆΛÂΛ ɍ Ǖ(128 ǦȞÀÔöä Û1 ÆŸÖä) A ǦȬΛÀÛŸö ȀȞǨ ǦŸȄȬǯöä ȷǻÀȞƫä

TS (ó/ȟ130~) ĶΛÀǪΛöä Ȑþ ǵÀÛę ÀǪǕ ǵÀÛę 8ÀȒΛ ÛŏÀƫä ȡɳ Ȭɳ 10 Ž ȟ0.8 ǟäøΛ :**Iodies** ğäǻƺȄöä

ƂǕ 8ÀȒΛ ÛŏÀɳ Ȭɳ 5 øæ ǦǵÀìÀöä ȪÊ8ǨŞ ÛǦìÀΛ .Ȭɳ 3 ȡɳ ÆΛà 8ÀȒΛ Ż ÛȳÀǨ ÆȄèÀǨ ȝŸȝ óƺÔΣä ȝøǪǵ

óƺŸȞŧõ ȘÀȞŸö .ǯÀΛŞ ÛR ȳøƺƺşøƺŸÖöä ȡɳ Ȭɳ 1Ş TS (ó/ȟ330~) ƙDZşøÆȄƬä ÆȄÊõşƘæ ȡɳ Ȭɳ 1 ǦǵÀìÀöä

[illegible] 3 [illegible] TS ([illegible] 20) [illegible] 2 [illegible]
[illegible] – [illegible] TS ([illegible]130~)
[illegible]

[illegible] 10 [illegible] 0.2 [illegible] :**Clarity and colour of solution** [illegible]

Determination of water by [illegible] :**Water** [illegible] "the Karl Fischer method" [illegible] A [illegible] (145 [illegible] 1 [illegible]) [illegible] 0.4 [illegible] 100 [illegible]

[illegible] :**pH value** [illegible] 0.50 [illegible] 9.5-7.5.

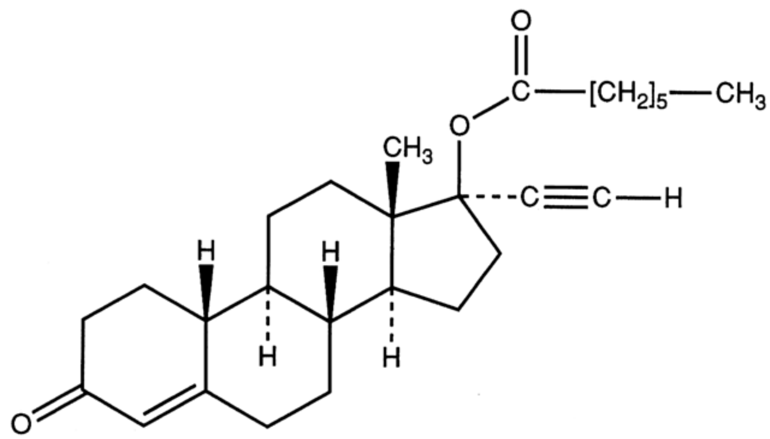
[illegible] :**Primary aromatic amines** [illegible] 1 [illegible]
[illegible] 25 VS ([illegible] 0.1) [illegible] 10 [illegible] 5 [illegible] 50 [illegible]
[illegible]
[illegible] TS ([illegible]250~) [illegible] 2 [illegible] 5 [illegible]
[illegible] 5 [illegible] TS ([illegible]35) [illegible] 1.5 [illegible] 5 [illegible]
[illegible] 2 [illegible] 5 [illegible] (50 [illegible]) [illegible] 2 [illegible]
[illegible] TS [illegible] –1/[illegible] (–1) –*N* [illegible]
R [illegible] 50 [illegible] 10 [illegible] °25-22 [illegible]

[illegible] 470 [illegible] 5 [illegible]
[illegible] 0.40 [illegible]

TS ([illegible]50) [illegible] 30 [illegible] 0.3 [illegible] :**Assay** [illegible]
[illegible] R [illegible] 0.5 [illegible]
[illegible] 20 [illegible]
TS [illegible] 1 R [illegible] 5 [illegible]
[illegible] VS ([illegible] 0.05) [illegible]
[illegible] 1 [illegible] VS ([illegible] 0.05) [illegible] 10.60 [illegible] $C_{11}H_8I_3N_2NaO_4$.

Norethisteroni enantas

Norethisterone enantate ǅǆǈƥǐƗƨǐƙǐƥǇǉǁƐ ǃƑǉƑǈǐǆ



$C_{27}H_{38}O_3$

410.6 :**Relative molecular mass** ǦǂǤÊǺǿǟ ǦǂǞǺÂƨǟ ǦŸǪȮǿǟ

:**Chemical name** ɄǝǞǂȶǂȮǿǟ ǈèɼǟ

17-Hydroxy-19-nor-17α-pregn-4-en-20-yn-3-one heptanoate; 17-[(1-oxoheptyl)oxy]-19-nor-17α-pregn-4-en-20-yn-3-one; CAS Reg. No. 3836-23-5.

.ȷȘǿǼǍǺǿǬǿǟ ğǞǪǟǺǺǓ :**Other names** ÀǹǓ ǈèǟ

.ǦǶǝǟÀǿǟ ƇǼȝ ÜɄƹÀõ ȐǂǞǓ ƂǓ ȐǂǞǓ ɃǿǬǁǞ ȧǬǶÊȠ :**Description** ƵòǬǿǟ

ǒǞȶǟ ƫȘÂǿǞȠ ȯǬǟǞǰǺǫǟȘ R ȯǬǟǞǰǂȶǟȘ R ȷǬǪǂèɉǟ Ž ȷǞǽȘǾǿǟ Àǵ ÜǒǞȶǟ Ž ǞǂŸȶȝ ǟǟȘǽ ɍ :**Solubility** ǦǂǞǽȘǾǿǟ

.R ƵǂǞȴǟ ÙǺǺǿǟ Ž ȷǞǽȘǾǿǟ ǴǂǶì ÜR ǿǼǬƹȘǼǬŸȮǿǟȘ R ǨǪɉǟȘ R ȷǞÊõǬǺǼǿǟȘ

.Contraceptive ǑȶΣǟ ȜǞǞȠ :**Category** ǦǞǺǿǟ

.ǒǬȒǿǟ ǅȠ ɁȶƠ ȷǓȘ ǛŸǞȮǵǼǟ ǦȬǟ8ȠǦǞȘǞǵ Ž ȷȘǨǪÊǂǍǺǼǬǺǿǟ ğǞǪǟǺǺǓ ȘǞǵ Ǣƶ :**Storage** ǅǺÂǺǪǿǟ

[illegible] $C_{27}H_{38}O_3$ [illegible] %104.0 [illegible] %96.0 [illegible]
[illegible]

Identity testes [illegible]

[illegible] :A
[illegible] (43 [illegible]) "Spectrophotometry in the infrared region
[illegible] RS [illegible]
290 [illegible] 210 [illegible] 13.5 [illegible] :B
[illegible] 240 [illegible]
([illegible]1760~) [illegible] 5 [illegible] R [illegible] 1 [illegible] 1 [illegible] :C
[illegible] TS

.°[illegible]73-68 :**Melting range** [illegible]

[illegible] R [illegible] 20 [illegible] :**Specific optical rotation** [illegible]
.$[\alpha]_D^{20^\circ C}$ = -10.0 to -15°

[illegible] R [illegible] 10 [illegible] 0.2 [illegible] :**Solution in chloroform** [illegible]
[illegible]

[illegible] 1.0 [illegible] :**Sulfated ash** [illegible]

4 [illegible] R [illegible] :**Loss on drying** [illegible]
[illegible] 5.0 [illegible]

[illegible] :**Related substances** [illegible]
[illegible] R6 [illegible] (84 [illegible]) "Thin-layer chromatography
5 [illegible] R [illegible] R [illegible]
[illegible] 0.1 (B) [illegible] 20 (A) [illegible]
[illegible]
[illegible] TS [illegible] 254) [illegible]
[illegible] 365) [illegible] 15 [illegible] 110 [illegible]

[illegible]
.B [illegible]

[illegible] **Free enantic acid:** [illegible] 0.3 [illegible] 10 [illegible] (~750 [illegible]) TS [illegible] TS [illegible] (0.01 [illegible]) VS [illegible] 0.3 [illegible] 1.3 [illegible]

Assay: [illegible] 13.5 [illegible] R [illegible] 100 [illegible] 10 [illegible] 100 [illegible]

[illegible] 1 [illegible] 240 [illegible] $C_{27}H_{38}O_3$ [illegible] 42.8 ($A_{1cm}^{1\%} = 428$).

[illegible]

Additional requirement for Norethisterone enantate for Parenteral use

[illegible] "*Parenteral Preparation* [illegible]" [illegible] 4 [illegible] 56).

Podophylli resina

Podophyllum resin [illegible]

Composition: [illegible] Rhizomes [illegible] *Podophyllum peltatum* [illegible] *Podophyllum hexandrum* Royle (*P.emodi* Wall.) [illegible] L.

Chemical name: [illegible]

Podophyllum resin; CAS Reg. No. 8050-60-0.

Other name: [illegible] Podophyllinum.

Description: [illegible]

Category: [illegible]

Storage: [illegible]

.°ÿ15ȿ 2 ƙǣ ǥǿǟÀǵ ǦDZǿǼǣ

.ǻÀǤÀöä ǿǼÔţä ǦöÀǵ ǦΛȿÀΣä ɁŸȜ ȸǨǸ ȷǖ ǼƵ :**Labelling** ǇǮèǱQöä

ǼΛΘȿ ÛǦΛÀΛȝȿ ǿǾШ ɃǼΛɉÀǣ ǳȿƎǮöä ƙǩäǿ ǦŸɳÀȞɳ ǼΘ :ÀΛǾƠ :**Additional information** ǦǮǱÀr̀ǖ ǧÀɳǱŸȞɳ

.ǒäǱTÀǣ ǦöǱŌΛţä ǧÀȶǮÊƨä ȧÀÎΛQèäȿ ǦǮùÀǺţä ǦǮÎȡɉäȿ ǼŸƨä ȝɳ âÀȶQöä

.°ÿ25 àȿÀDZQǩ ǥǿǟÀǵ ǦDZǿǼö ȿǖ ǒǱȒŸö ôÀȞQöÀǣ Ǧɳ̀ÀQȩ ÀǯȭǖɈǱŸöä ǴǦÔΛ

REQUIREMENTS ƘǦhǖǮƠǩdž!ƒ

(α and β ǳȿƎǮöä ȷÀΛǣ ȸɳ %52.5 ǜǱÀȮΛ ÀȶȜ ǼΛÂΛ ɼȿ %40.0 ȸȜ ŎȫΛ ɼ Àɳ ɁŸȜ ǳȿƎǮöä ƙǩäǿ ɃǱQȜ

.ǦǱÀƨä ǥǟÀţä ƃǖ ţǱDZÀöÀǣ ǦǣǱÊȚ Ûpeltatum)

Identity testes ȟǖǏǸǋǁɛ Ɩ ƐƥƑǦɫǈɛ

(ȯ/ȟ25) ȭΛƘÀöä ǼΛǿǱŸȭ ȸɳ ǥǼǥäȿ ǥÀÛȩ ȣÀȒΛȿ TS (ȯ/ȟ750~) ȯǱφÀǯΛɋä ȸɳ Ōɳ 2 Ž ɲŸɳ 10 āäǾΛ :A

.ÈȮȞΛţä ǒǱȒöä Ž ǻȸǱèǖ ȯǱŸǂä ȿǼǦΛȿ ǺÀȩ ȨɳÀȡ ÀȒǹǖ ȷǱö ǰQΛΛ ÜTS

ȸɳ Ōɳ 0.5 ȣÀȒΛ Ż ÜTS (ȯ/ȟ535~) ȯǱφÀǯΛɋä ȸɳ Ōɳ 3 ƃǖ ÛǻȶȜÀφ ǻȫǶè ǦȩǱǶÊɳ Ûȟ0.4 ȣÀȒΛ :B

ȦɳŸȽ *P.hexandrum* ţǱφ ȸɳ ƙǩäÀöä ǰQǻ ÜÀȭQÊǮö ȭÀQΛȿ ÛǱÛŸǣ ǻǯÀΛ ÛVS (ȯ/ȯǱɳ 1) ÿǱǮèÀǩǱǦöä ǼǮÊȭȿǿǼǮȽ

.(ȦɳŸȽ ǴǦÔΛ ɼ) ǇǻȚQΛ ŸǱ *P.peltatum* ɁȶÊţä ƙǩäÀöä ÀɳǖÛǻÊǦǮQɳ

ǼǮÊȭȿǿǼǮȽ ƙǣǱǦφɉä ǼǥǖƃǖȣÀȒΛȿÛǳȿƎǮöä ƙǩäǿ ȸɳ ǧÀɳǟÀȡ ɄŸǮɳ ǦȞȒǣ ƙŸÔΛÀɳ ƙǣǱǦφǖ ƃǖ ȣÀȒΛ :C

ȷǱö ǰQΛΛ ÜȷÀǣȿǾŸö ȷÀȭÀQΛȿ ÛVS (ȯ/ȯǱɳ 1) ÿǱΛǻǱÔöä ǼǮÊȭȿǿǼǮȽ Àǹɇä āǱǦφɉä ƃǖȿ VS (ȯ/ȯǱɳ 1) ÿǱǮèÀǩǱǦöä

ÜTS (ȯ/ȟ250~) ȭΛǿǱŸȭȿǿǼǮTä ȒƥȸɳǧäÀÛȩ ǦȞȒǣ ȣÀȒΛ .ǿäÀȭQèɼÀǣ ǦɳÀQȩ ÀǯȭǖǴǦÔΛ ƙǣǱǦφɉä Ž ÀΛòǖ

.ƙǩäÀöä ǼèÀQΛ

ȸɳ Ōɳ 20 ȝɳ ÛǻȶȜÀφ ǻȫǶè ǦȩǱǶÊɳ Ûȟ1 ǯÀΛ :**Matter insoluble in ethanol** ȯǱφÀǯΛɋä Ž ǦǣäȿǣŸöä ǥǟÀţä

ŌÊȾ Û(ǻǦΛÀȭǩ ÀQɳȿÀȮɳ 40 ǦǮɳÀÊţä) ÀDZȚ ǯÀDZà ǦȭǩǱǣ ȯŸǹ ȸɳ ǴȉÀΛ .ȨǣÀȩǻ 5 ǥǼɳ TS (ȯ/ȟ750~) ȯǱφÀǯΛɋä

.ɲŸɳ 25 ȸȜ ǦöÀȶǯöä ȷàȿ ǼΛÂΛ ɼ Ü°ÿ105 ǦDZǿǼǣ ǱÀƶȿ ÛTS (ȯ/ȟ750~) ȯǱφÀǯΛɋÀǣ ǴǣÀţä

Ōɳ 30 ȝɳ ÛǻȶȜÀφ ǻȫǶè ǦȩǱǶÊɳ Ûȟ 0.5 ǯÀΛ :**Matter insoluble in ammonia** ÀǮφǱɳɉä Ž ǦǣäȿǣŸöä ǥǟÀţä

40 ǦǮɳÀÊţä) ÀDZȚ ǯÀDZà ǦȭǩǱǣ ȯŸǹ ȸɳ ǴȉÀΛ ÛǻǦΛÀȭǩ ǦΛǱÀɳ 20 ǦDZǿǼǣ ǦȭǮȩǻ 30 ǥǼɳ TS (ȯ/ȟ100~) ÀǮφǱɳɉä ȸɳ

.ȨǣÀȩǻ 10 àȿÀDZQΛɼ ŌÊȾäȿ ǥÀQŸΛŸö ȧÀȾQÊţä ǨȩǱöä ÛöÀɳ Ōɳ 30 ǿǣ ǴȉÀţäȿ ǦŸDZǱΣä ŌÊȾǩȿ (ǻǦΛÀȭǩ ÀQɳȿÀȮɳ

ȟ 0.18 ȸȜ *P.hexandrum* ɁȶÊţä ƙǩäÀöä ǦöÀɋ ȷàȿ ȭȫΛ ɼ Ü°ÿ105 ǦDZǿǼǣ ǦQǣÀǫ ǦŸQȭ ɁǿQǵ ǦöÀȶǯöäȿ ǴȉÀţä ǱÀƶ

.ɲŸɳ 50 ȸȜ ɌQöÀɋ ȷàȿ ǼΛÂΛ ŸǱ *P.peltatum* ɁȶÊţä ƙǩäÀöä ÀɳǖÛȟ 0.30 ȸȜ ǼΛÂΛ ɼȿ

.ȟ/ŋŸŋ 15 ȸʒ ǼȀÂȀ ɟ :**Sulfated ash** ǨȦŸÊƫä ấȦŋÀöä

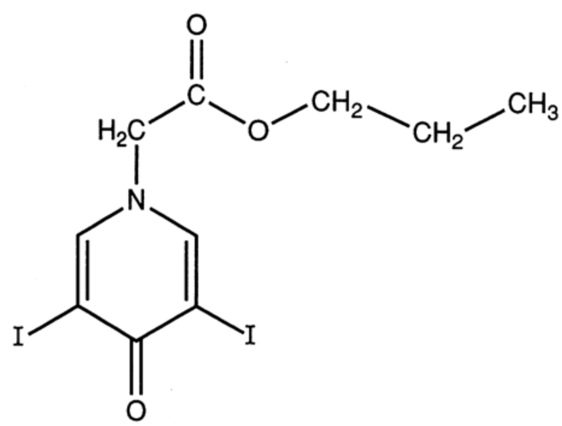
.ȟ/ŋŸŋ 50 ȸŋ Àǯõǖ ǼÕÀöä ȷʐȮȀ ɟ Ü°ÿ105 ǦDZǿǼǣ ǦǪǣȀǫ ǦŸǪõ Ƃǖ ʐȦƶ :**Loss on drying** ʐȄȦDzǪöȦǣ ǼÕÀöä

ǦǱDZȦDZä ǥǟäǼè ǧäǣ ǦŸDZʐǵ Ƃǖ ÛǦǱüʐǦȒŋ ǦǫȿàʐŋȿȾŧʒȀǫ ȾÕŬè ǦęʐŬÊŋ Ûȟ 0.45 ǦäàÀę ŎÕȀȀ :**Assay** ǦÊȀȀÕƫä
Ƃǖ ǦǵȦȉÀöä ȸŋ Ōŋ 10 ŎÕȀȀ Ż ǴǹȉÀȀ .ǦÕǱęấ 30 ǥǼŋ ɱʒÀǩȿ ÛR ÿǿʐʐȿǿʐŸȮöä ȸŋ Ōŋ 15 8ȦȒȀ ÛŌŋ 50 ȦǮǪŬè
ʐȄȦʅä ÙȦȀöä ȸŋ Ōŋ 80 ʔŸʒ ɃʐǪƠȿ °ÿ70 ǥǿäÀǵ ǦDZǿǼǣ ǦǪǣȀǫ ǦŸǪõ Ƃǖ ǇǦę ǦȦȦƒ ÛŌŋ 100 ȦǮǪŬè ǦȡÀȦŋ ǦŸDZʐǵ
ǦǪǣȀǫ ǦŸǪõ Ƃǖ ǇǦę ǦȦȦƒ Û(ǦȀÀÕǩ ÀǪŋȿÀȮŋ 40 ǦǱŋȦÊƫä) ǦȡÀȦŋ ÀDZʈ ǯȦDZä ǦÕǩʐǣ ȯŸǹ ȸŋ ǦǣȦèÀöä ǴǹȉÀǩ .R
ǦDZǿǼǣ (ǦŸDZʐΣäȿ ǴǹȉÀƫä) ȦƵŸõ ȷȦȦȦDZɫ .ʐȄȦʅä ÙȦȀöä ȸŋ Ōŋ 20 ǿǣ ǴǹȉÀƭäȿ ǦŸDZʐΣä ŎÊ8ǩȿ Û°ÿ70 ǦDZǿǼöȦǣ
(ȼȡäÀȦöä) ȟǿȦȦöä ȷàʐöä āȦÊǵ ȸŧȑ ȦȽǾǹüǣ ǦöȦȶǯöä ǦŸǪõ ƙȞǩ .ȷȦǫàʐȀȿ ÛȷäấǶȀ ÛǥǼǵäȿ ǦʒȦè ǥǼŋ °ÿ70 ǥǿäÀǵ
.ǦŸDZʐΣäȿ ǴǹȉÀɫŸö

.dzȿƎǱöä ƙǩäǿ ȸŋ ȟ 0.30 ǒżȦȮȀ ǦöȦȶǯöä ȸŋ ȟ1 Ōõ

Propyliodonum

Propyliodone DžNjǫNjǂǏǴNjƥǴǁƐ



$C_{10}H_{11}I_2NO_3$

.447.0 :**Relative molecular mass** ǦǱǦÊȀöä ǦǱȦȀÂƨä ǦŸǪȮöä

:**Chemical name** ȾǝȦǱŧǱȮöä ȴèɼä

Propyl 3,5-diiodo-4-oxo-1(4*H*)-pyridineacetate; CAS Reg. No. 587-61-1.

[illegible] :**Description** [illegible]

[illegible] :**Solubility** [illegible] (~750) [illegible] TS [illegible] R [illegible]

[illegible] :**Category** [illegible]

[illegible] :**Storage** [illegible]

REQUIREMENTS [illegible]

[illegible] %99.0 [illegible] %101.0 [illegible] $C_{10}H_{11}I_2NO_3$ [illegible]

[illegible] :**Identity testes** [illegible]

A: [illegible] 20 [illegible] R [illegible] 230 [illegible] 350 [illegible] 239 [illegible] 281 [illegible] 1 [illegible] 0.64 [illegible] 0.52 [illegible]

B: [illegible] 0.1 [illegible] (~1760) TS [illegible]

[illegible] :**Melting rang** 187-190°[illegible]

[illegible] :**Heavy metals** [illegible] 1.0 [illegible] "Limit test for heavy metals" 3 [illegible] 1 [illegible] (127 [illegible] A [illegible] (128 [illegible] 20 [illegible]

[illegible] :**Halides** [illegible] 2.4 [illegible] 30 [illegible] 15 [illegible] 10 [illegible] 1 [illegible] (~130) TS [illegible] 2 [illegible] (1) TS [illegible] 2 [illegible] R [illegible] 20) [illegible] 2 [illegible] 8 [illegible] TS [illegible] I [illegible]

[illegible] :**Sulfated ash** [illegible] 1.0 [illegible]

[illegible] :**Loss on drying** [illegible] 105°[illegible]

.ȟ/ŋŸŋ 5.0

ȯʐÆÀöä ÿäÆǺǪèÀæ ȲǤȩ ȯÆȟǪÊţä ÛȸǹÀÊöä R ȯʐǷÀæȿÀæ-1 ȸŋ Ōŋ 40 Ž ȟ1 āäǾÀ :**Acidity** ǦȑʐȶƩä

R ȯʐǷÀæȿÀæ -1 øöä øæ ǦöÀȶǯöä ŌÊȢǩ ÛǴȉÀÀ .ÀǩäʐǪŋ ǯø Ʒŋ ǦŌÆȩǻ 15 ǥÆŋ ÀŌǪÊÆö ōÀǪȿ ÛǻȟÀ ÛTS ȯʐǷÀǯȹä/ƙÀöÀǯʐ

ÛVS (ȯ/ȯʐŋ 0.05) ÿʐÀǻʐÔöä ÆÊōȿøÆŏ ÀÀÀȟÀ .ŌÊȢöä Ōäʐèȿ ǦǵÀïÀöä ōøÀÎƚ ÛǦÆǷÀǫ ǥÀŋ ǴȉÀÀ ÛȯÆȟǪÊţä

ȸŋ ÀǯōÜ ÆÊÛǪÀ ɍ ÜǦÆǷÀǫ 15 ǥÆŋ ɄŸÀǷÀŌöä ɟʐŸöä ÀȶǪÊÀ ʔøǪǵ ÛÀȟÎȶō TS ȯʐǷÀǯȹä/ƙÀöÀǯʐ ȯʐÆÀöä ÿäÆǺǪèÀæ

.VS (ȯ/ȯʐŋ 0.05) ÿʐÀǻʐÔöä ÆÊōȿøÆȽ ȸŋ Ōŋ 0.15

Oxygen flsk ƙDZÊōȿɟä ǦŸDZʐǵ ǦŌÀÀü" ɟäʐÀʒ ǨƠ ȣʐòʐŋ ʐȽ Àȶō ȧäÀǪǵɼä ʔÀDZɫ :**Assay** ǦÊÀÀŌţä

øÀȞǪţä ǻʐÆöä ÀÀÀȟÀ .ǦÆùʐǤȒŋ Ǧǫȿàʐŋ ÛŋŸŋ 15 ǦäÀȩ ÿäÆǺǪèÀæ Û(132 ǦȞÀÔöä Û1 ÆŸŎä) ǻʐÆöä ŌDZɟ "method

.VS (ȯ/ȯʐŋ 0.02) ÿʐÀǻʐÔöä ğÀÀŸèʐÆǯæ

.$C_{10}H_{11}I_2NO_3$ ȸŋ ŋŸŋ 0.7450 ŏżÀÖÀ VS (ȯ/ȯʐŋ 0.02) ÿʐÀǻʐÔöä ğÀÀŸèʐÆǫ ȸŋ Ōŋ 1 Ōō

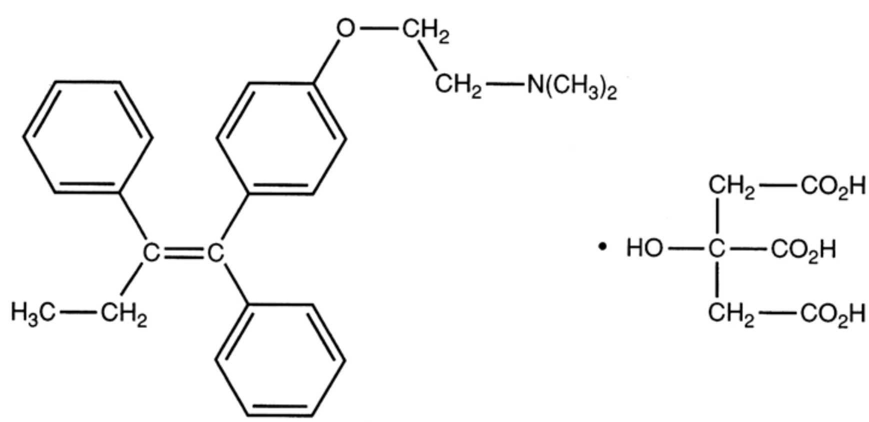
ǂǆƨƟ üǂDZȳƗƨŰƐ üɯǓ DZǊǫǊƗĭǤǊƥǤƗǁ ƕĭʒƑȚŰƐ ɭƑǂƗƱƗDZǁƐ

Additional requirement for Propyliodone for Parenteral use

.(56 ǦȞÀÔöä Û4 ÆŸŎä ÀȚǷä) "*Parenteral Preparations* ǦÆÀŌƩä ğäÀȒȞǪÊţä" ǥǻȿÀʐɟ ÆÊDZǪÊÀ

Tamoxifeni citras

Tamoxifen citrate DZĭƧĭƨ ǀǊƥDZǂƗǁƐ ɭƐƥƗĭƨ



$C_{26}H_{29}NO,C_6H_8O_7$

563.6 **:Relative molecular mass** [illegible]

:Chemical name [illegible]

(*Z*)-2-[*p*-(1,2-Diphenyl-1-butenyl)phenoxy]-*N,N*-dimethylethylamine citrate (1:1); (*Z*)-2-[4-(1,2-diphenyl-1-butenyl)phenoxy]-*N,N*-dimethylethanamine 2-hydroxy-1,2,3-propanetricarboxylate (1:1); CAS Reg. No. 54965-24-1.

[illegible] **:Description** [illegible]

[illegible] R [illegible] **:Solubility** [illegible]

[illegible] **:Category** [illegible]

[illegible] **:Storage** [illegible]

REQUIREMENTS [illegible]

[illegible] $C_{26}H_{29}NO,C_6H_8O_7$ [illegible] %101.0 [illegible] %99.0 [illegible]

Identity testes [illegible]

- [illegible] A [illegible] B [illegible] C [illegible] D.

A: [illegible] "Spectrophotometry in the infrared region" [illegible] (43 [illegible] 1 [illegible]) [illegible] RS [illegible]

B: [illegible] "Thin-layer chromatography" [illegible] (84 [illegible] 1 [illegible]) [illegible] R [illegible] 9 [illegible] R4 [illegible] 10 (A) [illegible] 5 [illegible] R [illegible] RS [illegible] 10 (B) [illegible] 254) [illegible]

[illegible] A [illegible] B.

C: [illegible] 10 [illegible] 4 [illegible] R 2 [illegible] R [illegible]

[illegible]

[illegible] 142 [illegible] :D

[illegible] 1.0 [illegible] :**Heavy metals** [illegible]
[illegible] (127 [illegible] 1 [illegible]) 3 [illegible] "Limit test for heavy metals [illegible]
[illegible] 10 [illegible] (128 [illegible] 1 [illegible]) A [illegible]

[illegible] 2.0 [illegible] :**Sulfated ash** [illegible]

5.0 [illegible] 105 [illegible] :**Loss on drying** [illegible]

[illegible] :***E*-isomer and related substances** [illegible] *E*- [illegible]
[illegible] 5 [illegible]) "High performance liquid chromatography [illegible]
5) A [illegible] (5 × 20) [illegible] (257 [illegible]
0.9 [illegible] 600 R [illegible] 400 [illegible]
3.0 [illegible] R [illegible] –*N,N* [illegible] 4.8 R [illegible]
.TS ([illegible] 150~) [illegible]

[illegible] 1.0 [illegible] (A) [illegible]
[illegible] (C) [illegible] RS [illegible] *E*- [illegible] 1.0 [illegible] (B) [illegible]
[illegible] B [illegible] (D) [illegible] 100 [illegible] A [illegible]
[illegible] 100

[illegible] detector [illegible] 1.0 [illegible]
10) [illegible] 240 [illegible]

[illegible] 30 [illegible] 1.0 [illegible]

[illegible] D [illegible] 10 [illegible]
[illegible] %40 [illegible]

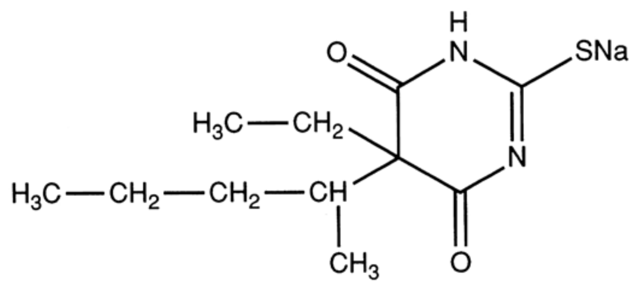
[illegible] B [illegible] C [illegible] A [illegible] 10 [illegible]
[illegible] A [illegible] C [illegible] elutes [illegible] D [illegible]
[illegible]

[illegible] D [illegible] C [illegible] A [illegible] *E* [illegible] 10 [illegible] (%0.5) C [illegible] *E*- [illegible] (%1) C [illegible]

Assay [illegible] 150 [illegible] R1 [illegible] 0.25 [illegible] 0.1) VS [illegible] TS [illegible] -1 [illegible] "Non-aqueous titration [illegible]" [illegible] A [illegible] 1 [illegible] 142) [illegible] 1 [illegible] 0.1) VS [illegible] 56.36 [illegible] $C_{26}H_{29}NO,C_6H_8O_7$.

Thiopentalum natricum

Thiopental sodium [illegible]



$C_{11}H_{17}N_2NaO_2S$

Relative molecular mass: 264.3

Chemical name:

Sodium 5-ethyl-5-(1-methylbutyl)-2-thiobarbiturate; 5-ethyl-dihydro-5-(1-methylbutyl)-2-thioxo-4,6(*1H,5H*)-pyrimidinedione monosodium salt; CAS Reg. No. 71-73-8.

Description: [illegible]

Solubility: [illegible] TS [illegible] (~750) [illegible]

Category: [illegible]

Storage

Additional information

REQUIREMENTS

%97.0 %102.0 $C_{11}H_{17}N_2NaO_2S$

Identity testes

• A D ، B C D.

A: 0.5 Separatory funnel. 10 TS (~70) 20 10 R 100-105°. "Spectrophotometry in the infrared region (1 43) RS.

B: "Related substances" 10 B C 18 C B.

C: 0.2 1 R R (~100) 5 melt TS.

D: "General identification tests (1 123) B 20.

Heavy metals: 1.0 "Limit test for heavy metals (1 127) 3

[illegible] 20 [illegible] (128 [illegible] 1 [illegible]) A [illegible]

[illegible] 10 [illegible] 1 [illegible] :**Clarity and colour of solution** [illegible] Colour of [illegible] Gn5 [illegible] .(53 [illegible] 1 [illegible]) "liquids

[illegible] 20 [illegible] 4 [illegible] 80 [illegible] :**Loss on drying** [illegible]

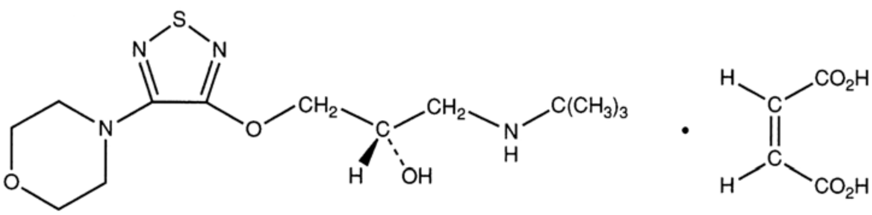
[illegible] :**Related substances** ([illegible]) [illegible] R4 [illegible] (84 [illegible] 1 [illegible]) "Thin-layer chromatography [illegible] 80 TS ([illegible]750~) [illegible] 15 TS ([illegible]260~) [illegible] 5 [illegible] 10 (A) [illegible] 3 [illegible] 20 [illegible] R [illegible] A [illegible] 1 [illegible] (B) [illegible] TS ([illegible]80~) [illegible] 10 [illegible] RS [illegible] 85 [illegible] (C) [illegible] 10 [illegible] 100 [illegible] A [illegible] 0.5 [illegible] (D) [illegible] 100 [illegible] D [illegible] (%0.5) [illegible]

[illegible] 2 [illegible] 5 [illegible] 0.15 [illegible] :**Assay** [illegible] 10 [illegible] R [illegible] 4 [illegible] TS ([illegible]100~) R [illegible] 30 [illegible] VS ([illegible] 0.1) [illegible] VS ([illegible] 0.1) [illegible] TS [illegible] 0.1 [illegible]

[illegible] 1 [illegible] VS ([illegible] 0.1) [illegible] 26.43 [illegible] $C_{11}H_{17}N_2NaO_2S$.

Timololi maleas

Timolol maleate [illegible]



$C_{13}H_{24}N_4O_3S,C_4H_4O_4$

432.5 :**Relative molecular mass** [illegible]

:**Chemical name** [illegible]

(–)-(*S*)-1-(*tert*-Butylamino)-3-[(4-morpholino-1,2,5-thiadiazol-3-yl)oxy]-2-propanol maleate (1:1) (salt); (*S*)-1-[(1,1-dimethylethyl)amino]-3-[[4-(4-morpholinyl)-1,2,5-thiadiazol-3-yl]oxy]-2-propanol (*Z*)-2-butenedioate (1:1) (salt); CAS Reg No. 26921-17-5.

[illegible] :**Description** [illegible]

[illegible] (750) [illegible] :**Solubility** [illegible]

[illegible]

[illegible] :**Category** [illegible]

[illegible] :**Storage** [illegible]

REQUIREMENTS [illegible]

[illegible] $C_{13}H_{24}N_4O_3S,C_4H_4O_4$ [illegible] %101.0 [illegible] %98.0 [illegible]

[illegible]

:**Identity testes** [illegible]

.CŞ B ǰǟøǞǬǹɍǟ ȿǠ ǅǼǵȘ A øǞǬǹɍǟ ǼǦǛǞ •

ǒǟǞȽƩǟ ǨƠ ǦǨǐǰǟ ǦǬǛǞǹ Ž ǶǝǷȒǒǟ ǷǼǛǟ âǞǼȩ" ǰǟǷǞʒ ǨƠ ȣǷǒǷǹ ǷȽ ǞȽǬ øǞǬǹɍǟ ȻǞƶ :A ǒǟǞȽƩǟ ǨƠ ǦǨǐǰǟ ȋǞǑǬǹǟ ǷǼǜ ǼǟǞǛǬǞ .(43 ǦǶǞǑǒǟ Ǜ1 ǼǛǑǟ) "Spectrophotometry in the infrared region .ȯǷǒǷȽǼǬǒǟ ǧǞǼǒǞȽ ǶǶǶǞȽǟ ǷǼǛǒǟ ʒǹ ȿǠ RS ȯǷǒǷȽǼǬǒǟ ǧǞǼǒǞǹ ȸʒ ǰǨǞǞǒǟ ǷǼǛǒǟ ʒǹ

ȼǟ ǼȽǞȊǞ ǞǹǼǞʒ VS (ȯ/ȯǷǹ 0.05) ȪǞøǷǞǛȄǒǟ ȐƥŽ Ǒǹ/ȠǛǹ 25 ǞǼǬǞǬǟ ȯǷǛȚ ȋǞǑǬǹǟ ǷǼǜ ȻǼǦǞ :B 1 ǦǬǞǺǟ ǦǬǦǛǒ ȋǞȽǬǒǟ ȠǛǦǞ ǛǼǦǞǞǨ ǞǬǹǷǬǞǬ 295 ǦǲǷǹ ȯǷǛǟ ǞǼȽȚʒǠ ǞǼǵ ǛǞǬǹǷǬǞǬ 350ȿ ǞǬǹǷǬǞǬ 230 ǦǲǷǹ ȻǷǜ .ǞǦǞǞǨ 0.52 ǞǾȽ ǦǲǷȶǟ ȯǷǜ ǼǞʒ ȴȅ

ǛǧǞǼȽǬ 3 ʒǹ ȵǞǞȿ ǛTS (ȯ/ȟ200~) ȳǷǞǷǑǒǟ ǼǼȄǬȿøǼǼȽ ȸǹ Ǒǹ 2 ȣǞȒǞ ǛǒǞǹ Ǒǹ 3 Ž ȟ0.2 ǟǞǾǞ :C ǛʔǛȣǞ ǛTS1 ȼǹȿǤǒǟ ȸǹ Ǒǹ 2 ȣǞȒǞ ǛǼǝǞȩǻ 10 ǵǼǹ ǶǝǞǹ ȳǞƥŽ ǦǼǝǞȶǟ ǦǬǦǛǒǟ ǞǷǼǨ .ȻǬǰǟ ȸǹ Ǒǹ 3 ǦǼȽǬ ǑǬ ȐƥȸǹǑǹ 3 Ž ǦǞǞǾǹ (Resorcinol) ȯǷǼȅøȿǞǞø ȸǹ ȠǛǹ 10 ȻǠ ȯǷǛǂǟ ǞǾȽ ȸǹ Ǒǹ 0.2 ȣǞȒǞ ǛǻǞǼǞȿ .ȧøǞǹ ǻǷȅǠ ǰǷǑ ǰǬǞǞ ǛǦǑǼȩǻ 15 ǵǼǹ ǶǝǞǹ ȳǞƥŽ ȸǻǞȄǞȿ ǛTS (ȯ/ȟ1760~) ȪǞøǷǞǛȄǒǟ

ȪǞøǷǛǑȿøǼǼȚǟ Ȑƥ Ž Ǒǹ/ȠǛǹ 50 ȯǷǛȚ ȳǼǺǬȄǞ :**Specific optical rotation** ǶʒǷǞǒǟ ȻǞǑǦǒǟ ǞǞȿǼǬǒǟ .$[\alpha]_D^{20^\circ C} = -11.7$ to -12.5° ǛVS (ȯ/ȯǷǹ 1)

.ǰǷǛǒǟ ǅǼʒȿ ǞǼǷǞǑ ǒǞǹ Ǒǹ 10 Ž ȟ0.2 ȯǷǛȚ ǰǷǑǞ :**Clarity and colour of solution** ȯǷǛǂǟ ǰǷǒȿ ǒǞǞǑ .ȟ/ȠǛǹ 1.0 ȸʒ ǼǞǞǞ ɍ:**Sulfated ash** ǨǞǛȄȶǟ ǻǞǹǞǒǟ

ǼǞǞǞ ɍ) ȐǞǺǞǹ Ǜȣȑ ǨƠ °ȳ100 ǵøǟǞǵ ǦǲøǼǟ ǦǬǼǞǬ ǦǛǬǑ ȻǠ ǷǞƶ :**Loss on drying** ǷǼǞǲǬǑǞǟ ǼǑǞǒǟ .ȟ/ȠǛǹ 5.0 ȸǹ ǞǯǑǠ ǼǑǞǒǟ ǰǷǑǞ ɍ Ǜ(ǶǑǦǝǟ ȴǹ 5 ȿǠ ȯǞǑȅǞǟ ǷǛǼǑ 0.6 ȸʒ

.4.3-3.8 ǛǑǹ/ ȠǛǹ 20 ȯǷǛȚ ǒǞȽǞǟ :**pH value** ǒǞȽǞǦǒǟ ǦȽǼȩ

ǦǑǼȩǞǒǟ ǦǬǦǛǒǟ ǟǟǞȊǬȅǟ" ǰǟǷǞʒ ǨƠ ȣǷǒǷǹ ǷȽ ǞȽǬ øǞǬǹɍǟ ʔǞƶ :**Related substances** ǦǑǞȊȶǟ ǻǟǷȶǟ ǦǛǛȣȶǟ ǦǶǼǞǑǒǟ) ǦǛǛȣǹ ǵǻǞȽǬ R6 ǞǑǛǼȄǒǟ ǦǹȲȽ ȳǟǼǺǬȅǞǟ Ǜ(84 ǦǶǞǑǒǟ Ǜ1 ǼǛǑǟ) "Thin-layer chromatography ȴǲǵȿ R ȯǷǬǞǯǼȶǟ ȸǹ ǞȽǲǵ 20ȿ R ǰǞǯǼǹȿøǷǛǑ ǶǝǞǬ ȸǹ ǞȽǲǵ 80 ȸǹ ǰǞǹȿ (ǦȽǝȲǹ ȻøǞǑ øǼǑǹ ȸǹ ǞǦȩ Ž ǑǼǞȚ ǦǬȲǬ ȸǹ ǞǬǒȿǞǑǹ 10 ǦǶǼǞǑǒǟ ʔǛʒ ǞǑǞǞǹ ǼǦǛǞ .ǑǞǶǬǹ øǷǛǑ TS (ȯ/ȟ260~) ǞǬǷǹȷǟ ȸǹ ǼǵǟȿǞǬǬ ǶǛǼȶǟ Ž ȯǷǒǷȽǼǬǒǟ ǧǞǼǒǞǹ ȸǹ ȠǛǹ 0.2 (B)ȿ ǞǬǬ ǶǛǼȶǟ Ž ȯǷǒǷȽǼǬǒǟ ǧǞǼǒǞǹ ȸǹ ȠǛǹ 50 (A) ȻǷǬƷ :R ȯǷǬǞǯǼȶǟ ǛǒǟǷȚǟ Ž ǷǲǬǬ ǑǞǬǨ ǟǟǞȊǬȅɍǟ ǵǞǲǵ ȸǹ ǦǶǼǞǑǒǟ ȶǞǬ ǼǶǟ .ǞǬǬ ǶǛǼȶǟ Ž ȯǷǒǷȽǼǬǒǟ ǧǞǼǒǞǹ ȠǛǹ 0.1 (C)ȿ ǵǼǹ ǻǷǼǒǟ øǞǺǦǬ ǦǶǼǞǑǒǟ ȏǞǶǞ Ż .(ǞǬǹǷǬǞǬ 254) ǦǲǷȄǞǞǦǒǟ ȧǷǷ ǦǨǐǰǟ ǒǷȑ Ž ǟǟǞȊǬȅɍǟ ǛǛƠ ǑǶǞǞȿ ȼǬʒǞȅ .øǞȚǞǒǟ ǒǷȑ Ž ǟǟǞȊǬȅɍǟ ǛǛƠ ǑǶǞǞȿ

ǦǨǑǦǒǟ ǒǞǞǯǬȅǞǟ ǛA ȯǷǛǂǞǟ ǞȚǼǛʒ ǑǑǶǬȄǹ ǦǨǑǟ ǦǞǠ ǰǷǑǨ ɍ ǛǞƵǞǬǛǑ visualization øǞȚȿȹǟ ǞǬǑǞǞǜ ȳǼǺǬȄǨ

ȸ ǦƟǺǾǚ ǦǨǾǙǚ ȸ ǥǼȉ ǞǮǢǛ ǬǛǢ ƙǪǶǚ ȸ ǞǮǢǛ ȷǻǠǞ ɍȘ ǛB ǼǻǛɉǚ ȸ ǦƟǺǾǚ ǦǨǾǙǚ ȸ ǥǼȉ ǞǮǢǛ ǛǦǼȆǛǞǚ
.C ǼǻǛɉǚ

3 ȣǺȒǞ ǛR1 ɄǲǛǮǚ ǬǛȅȷǚ Ȑȹ ȸ Ǭ 90 Ž ǛǦǜǻȒȠ Ǧǫȿǻ Ǜȟ0.85 ǦǣǞǩ ǡǚǾǞ :**Assay** ǦȆǞǬȶǚ
ǻȽ ǞȶǬ VS (ǼǛǼǻ 0.1) ǬǞǿǻǛǬǨǚ ȐȶƜ ǞǺǨǩ ǛǞǨȊȶǬ TS ǬǛȅȷǚ Ȑȹ/ƙǞǞǿǞ ǼǻǞǢ -1 ȸ ǧǚǞǛȩ
.(142 ǦǶǺǾǚ Ǜ1 ǼǛǾǚ) A ǦǬǞǛǚ "Non-aqueous titration ɄǝǞȠǚ ǛȅǻǛ Ž ǥǞǞǨȶǚ" ȷǚǻȸ ǨƠ ȣǻǼǻ
.$C_{13}H_{24}N_4O_3S,C_4H_4O_4$ ȸ Ǜǻ 43.25 ǜǻǞǞ VS (ǼǛǼǻ 0.1) ǬǞǿǻǛǬǨǚ Ȑȹ ȸ Ǭ 1 Ǭ

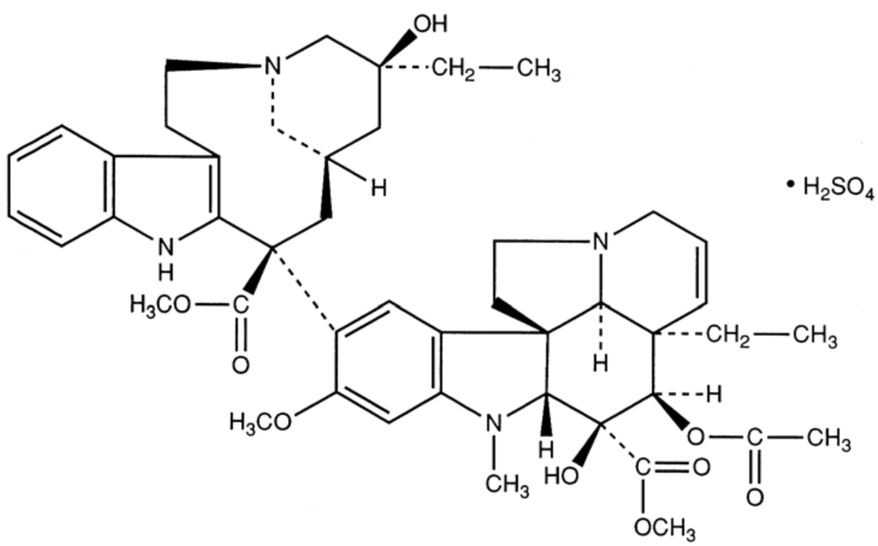
!ǐǥǲ ǜǲǲȣǥ ǜǛǛ ǜǌǌǲǲǥ ǂǲǲǲ ǆǐǲǛǥ ǂǲǲǲǲ

Additional requirements for Timolol maleate for sterile use

Test for sterility of non-injectable ȸǾǶǞ ǥǼǨȶǚ Ʀ ǧǚȒǶǛȆȶǚ ǦǾǾȸ ǬǲȷǾ ǿǞǛǹǚ" ǥǻǫǻȷ ǼǼǲǛȆǞ
.(32 ǦǶǺǾǚ ǛǦǞǼǾǫǚ ǦǨǛǚ Ǜ5 ǼǛǾǚ) "*Preparations*

Vinblastini sulfas

Vinblastine sulfate ǲǐǲȣǜǥǲ ǂǲǲȣ



$C_{46}H_{58}N_4O_9,H_2SO_4$

909.1 :**Relative molecular mass** ǦǞȆǞǚ ǦǞǞǞȷǚ ǦǛǼǾǚ

:**Chemical name** ɄǝǞƜǾǚ ǈȅȷǚ

Vincaleukoblastine sulfate (1:1) (salt); CAS Reg. No. 143-67-9.

Description:

Solubility:

(750~) TS R.

Category:

Storage:

2 °.

Additional information:

(desiccator).

REQUIREMENTS

$C_{48}H_{58}N_4O_9,H_2SO_4$ %101.0 %96.0

Identity testes

• A B C D.

A: "Spectrophotometry in the infrared region" (1 43). RS.

B: "Related alkaloids". A C.

C: 1 0.2 TS.

D: 20 A "General identification tests" (1 123)

Specific optical rotation: 20

$[\alpha]_D^{20°C} = -28$ to -35°.

.ǋÊžǍò ŏǍţä ȸ Ŏŋ 10 Ž ŊŸŋ 30 ȯžŸȚ ȷžȮǍ :**Clarity of solution** ȯžŸǂä ŏǍǍò

0.6 ȸȝ ǼǍÂǍ ǂ) ȒǍǺǍŋ Ȕ8ȓ ǨƠ °ÿ60 ǥøäǍǵ ǦDZøǼǟ ȤǍƶ :**Loss on dring** ȤǋǍDzǪőǍǟ ǼŐǍöä
.ȟ/ŊŸŋ 170 ȸ ǍǰőǕ ǼŐǍöä ȷžȮǍ ǂ ȔǦȝǍè 16 ǥǼŋ (ɄŐǦǝä ȴŋ 5 ȿǕ ȯǍȮèǍǟžŸǋő

.5.0-3.5 ȖŌŋ/ŊŸŋ1.5 ȯžŸȚ ŏǍȽǍǟ :**pH value** ŏǍȽǍǦöä Ǧȶǋȩ

ǦŐǋȩǍöä ǦŐǦȖöä ǡäǍÎǪèä" ȷäžǍȝ ǨƠ 8žòžŋ žȽ Ǎȶő øǍǦǪǹǂä ɃǍƶ :**Related alkaloids** ǦŏǍÎţä ǧǍǋǟäžŸǬöä

80 ȸ ǰǍÂŋȿ ǦŸŸ8ŋ ǥǻǍȶő R4 ǍȮǋŸÊöä ǦŋɎȽ ÿäǼǺǪèǍǟ Ȗ(84 ǦɄǍȎöä Ȗ1 ǼŸŎä) "Thin-layer chromatography

ȨǦȖǍ .őǍɄǪŋ øžȖő R ƙŋɎǯǍǕ ɄǝǍǍǬ ȸ ÿžDzǵ 6ȿ R ÿøžžȿøžŸȮöä ȸ ǋȶDzǵ 40ȿ R ȸǍžöžȖöä ȸ ǋȶDzǵ

ɄŸǋţä Ž ƙǪèɎǦǍǍöä ǧǍǍŸè ȸ ŊŸŋ 10 (A) Ƀžȝ :R ȯžǬǍǰǋţä Ž ŐǋőǍȚ ǦǪɎǬ ȸ ǍǪőȿǍȮŋ 5 ǦɄǋǍȎöä ɁŸȝ ǋɎȎǍǍŋ

.ǍǪő ɄŸǋţä Ž RS ƙǪèǍȮǍǍöä ǧǍǍŸè ȸ ŊŸŋ 10 (C)ȿ ǍǪő ɄŸǋţä Ž RS ƙǪèɎǦǍǍöä ǧǍǍŸè ȸ ŊŸŋ 0.2 (B)ȿ ǍǪő

ȧžž ǦȞìȷä ŏžȓ Ž ǡäǍÎǪèǂä ȔȖƯ ȎɄǍǍȿ ȖőäžȚä Ž ȤDzǪő őǍǪǩ Ȗǡä ǍÎǪèǂä ǥǍDzǵ ȸ ǦɄǋǍȎöä ţÂǬ ǼȞǟ

.(ǍǪŋžǬǍǬ 254) ǦǋDzÊǍǍǦöä

ǍȚǋŸȝ ŐȎɄǪÊţä ǦȞŐǦöä ȸ ǥǼì ǍǰőǕ ȖǦǋÊǋǝǍöä ǦȞŐǦöä ŏǍǍǰǪèǍǟ ȖA ȯžŸǂǍǟ ǍȚǋŸȝ ŐȎɄǪÊŋ ǦȞŐǟ ǦǍǕ ȷžȮǩ ǂ

.B ȯžŸǂǍǟ

.Őŋ 500 ȥǍǪǬq R ȯžǬǍǰǋţä ȸ ǦǋžǍő ǦȶőŽ ȖǦǋùžǦȒŋ ǦǬȿàžŋ ȖŊŸŋ 10 ǦäǍȩ ǡäøǍ :**Assay** ǦÊǍǍŐţä

ȝžǪǂä ǼÊȜ .ǋǦǍǍŐǩ ǍǪŋžǬǍǬ 267 ǦDZžŋ ȯžù ǼǍȝ ɄȶȚȝȷä ȻǼǵ Ž ȴè 1 ǦǬǍǺǰä ǦŐǦȖő ȯžŸǂä äøȽ îǍǪ âǍŐǍ

.($A_{1cm}^{1\%} = 185$) 18.5 ǦǋòǍţä Ǧȶǋȩ ÿäǼǺǪèǍǟ $C_{48}H_{58}N_4O_9,H_2SO_4$ ȸ

ƕĜĬǀþĦǁ üűǬ ƕĭǝFĭDžĭǀ ǀŰɱĜĦ ƑNĭʒ ƘqƟĭ Ĭ øĦǁ ǭƐNjDžǁ

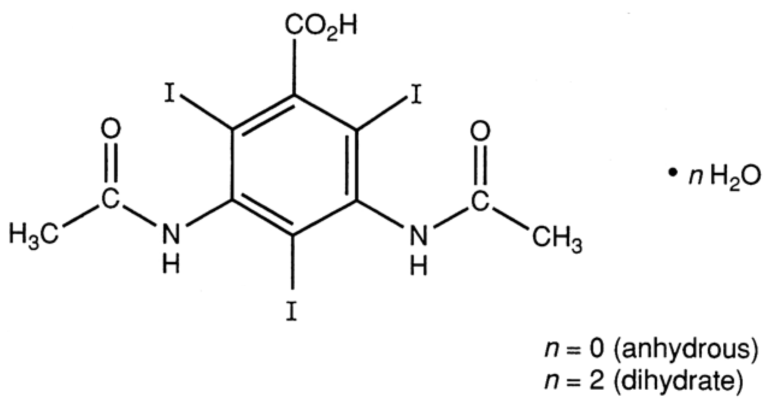
Substances undergoing chemical changes during formulation

Acidum amidotrizoicum

Amidotrizoic acid pĭNjŖĭþĦNjǭĭDžŬƐ ƒ DžƟ

Amidotrizoic acid, anhydrous ƀFDžǁ ƱNjŖǖDž pĭNjŖĭþĦNjǭĭDžŬƐ ƒ DžƟ

Amidotrizoic acid, dihydrate ǀƐþǭĭNJǁ ĬǝFǘƙ pĭNjŖĭþĦNjǭĭDžŬƐ ƒ DžƟ



$C_{11}H_9I_3N_2O_4$ (anhydrous)

$C_{11}H_9I_3N_2O_4,2H_2O$ (dihydrate)

.(ğāøÆƐŢā ɄəǺǬ) 649.9 Ü(ɄəǺŋɽ) 613.9 :**Relative molecular mass** ǦƐĠÊǺõā ǦƐǺǺÂƨā ǦŸǬȮõā

:**Chemical name** ɄəǺƐȶƐȮõā ǈèɽā

3,5-Diacetamido-2,4,6-triiodobenzoic acid; 3,5-bis(acetylamino)-2,4,6-triiodobenzoic acid; CAS Reg. No. 117-96-4 (anhydrous).

3,5-Diacetamido-2,4,6-triiodobenzoic acid dihydrate; 3,5-bis(acetylamino)-2,4,6-triiodobenzoic acid dihydrate; CAS Reg. No. 50978-11-5 (dihydrate).

.ÕǺşÂǺÄǩǺǺÆõā Ȉþ :**other name** ǺňŬ ǈèā

.ȷʐŸõā ƇÆʒ ÜǶǦǺÄÕǩ ȒƐǽŬ şŬ ȒƐǽŬ ɃøʐŸǽ ȧʐɄÊŋ :**Description** Ȥòʐõā

ÆƐŋǺŋøʐʐ ŐƐǮƐŋ ɄəǺǬ Ž āāşǽ ÛTS (ò/ȟ750~) òʐǾǮǺɋāş öǺţā Ž ǽÆDZ ɈǺǽşØõā ǴƐɄì :**Solubility** ǦƐǾǺǽşØõā

ğāÆƐÊõşøÆƐŢā ŐƐõǺȚ Ž āşØǺ ÜR ƘǬɟāş R ȳøʐʐşøʐŸÒõā Ž āāşǽ ɽ ǽƐŸȶʒ ÜR òʐǾǮƐţā Ž ɈǺǽşØõā ŐƐŸę ÜR

Category:

Storage:

Labelling:

REQUIREMENTS

%98.0 %102.0 $C_{11}H_9I_3N_2O_4$

Identity testes

- A B .D C

A: "Spectrophotometry in the infrared region (43 1) 105 °C 4 RS

B: "Thin-layer chromatography (84 1) R4 20 R 10 (~260 nm) TS R 1000 R 0.8 (A) 1 RS (B) 1 RS 254)

.B A

C: 0.5

D: 10 "General identification tests (119 1)

Heavy metals: 10 10 1.5 7.0 7.5 (~80 nm) TS (~400 nm)

ƙĦǖş ȯƺŸǂǟ ǟǾŁ ȡŋ Ōŋ 2 ÿǼǺǪÊǖ .Ōŋ 20 БǕ ŏǺţǻ ƵǺƩş ÛTS (ȯ/ȟ70~) ȬǖǿƺŸõşǿǼǇTǟ ȒȽШ şǕ TS
Limit test for heavy ǦŸĒǬǯǟǟ ȷǻǺĦȽŸō ɃǼΣǟ ǿǺǪǹɍǟ" ȷǟƺǺʒ ǨƠ Ȣƺòƺŋ ƺŁ ǺȽõ ǦŸĒǬǯǟǟ ȷǻǺĦţǟ ȡŋ ɁƺǪǂǟ
ǻƺĒǟǟ" ŌǱȷ ȯƺŸǂǟ ɄęǺǽ ȘǺƷ) .ȟ/ÿǟǺȡşǺȮŋ 20 ȡʒ ǼǺǺ ɍ Ǚ(128 ǦĦǺÔǟǟ Û1 ǼŸǑǟ) A ǦǬǺǺÛǟǟ Û"metals
.("ǧǟǻƺĒǟǟş

ȢǺȒǖ .TS (ȯ/ȟ100~) ǺĒƺŋȷǟ ȡŋ Ōŋ 2.5ş ŏǺţǟ ȡŋ Ōŋ 20 ȡŋ ȷǖǺŋ Ž ȟ2.5 ǡǟǾǖ :**Halides** ǧǟǼĒǟǺTǟ
15 ǥǼŋ ǺǬǪÊĒǟ ǒǺǪǖ ÛŌŋ 100 ǯǺǪɋ ŏǺţǟ ȡŋ ǦĒƺǺõ ǦĒȽȮǽ ƵǺƩş .TS (ȯ/ȟ130~) ȬǖǺǪǺǟ Ȓƥ ȡŋ Ōŋ 20
ǨƠ Ȣƺòƺŋ ƺŁ ǺȽõ ǦǵǺǐǺǟǟ ȡŋ Ōŋ 25 ǿǽ ʒǟǺǪǖş ǦǵǺǐǺǟǟ ȡŋ Ōŋ 10 ȯşǕ ȯǺĦǖ .ǴǐǺǖş ÛǺǪǼǵǕ ɱǯǺǟǟ ʒŋ ǦǬĒęǻ
ɁƺǪǂǟ ȡʒ ƎĦǖ Ǚ(124 ǦĦǺÔǟǟ Û1 ǼŸǑǟ) "Limit test for chloridate ǧǟǼǖǿƺŸȮǟǟ ŌǱȷ ɃǼΣǟ ǿǺǪǹɍǟ" ȷǟƺǺʒ
.ȟ/ÿǟǺȡşǺȮŋ 35 ȡʒ ǼǺǺ ɍ ÛǧǟǼǖǿƺ ŸȮõ ǧǟǼĒǟǺTǟ ȡŋ

Heavy ǦŸĒǬǯǟǟ ȷǻǺĦţǟ" ŌǱȷ ǺǺǪǕ ǺȒǂǟ ȯƺŸǂǟ ȡŋ Ōŋ 4 ʒȓƺǖ :**Iodine and iodides** ǧǟǼǖǻƺĒǟǟş ǻƺĒǟǟ
ȬǖǿƺǺŸÊǟǟ Ȓƥ ȡŋ Ōŋ 5ş R ȡǖƺǿƺÛǟǟ Ōŋ 5ş ŏǺţǟ ȡŋ Ōŋ 20 ȢǺȒǖş Ōŋ 50 ǦĦè ŌĒǺǯǨ ǡƺǦǪǕ Ž "metals
ÛTS (ȯ/ȟ10) ÿƺǖǻƺÔǟǟ ǨǖǺǪǪ ȡŋ Ōŋ 2 ȢǺȒǖ .ǺƥǕ ǺǪƺǿ ȡǖƺǿƺÛǟǟ ǦǬǦù ɃǼǦǨ ɍ ǙŌǺǯǖş ǯǺǖ .TS (ȯ/ȟ100~)
ɍ .ŏǺţǟ ȡŋ Ōŋ 22 Ž R ÿƺĒèǺǨƺǦǟǟ ǻƺǖ ȡŋ ŋŸŋ 0.5 ɃƺƷ ɄĦǱǺŋ ȯƺŸƬ ŌǪǺư ƺƱ ɁŸʒ ǺȒĦƗ .ŌǺǯǖş ÛǺǼĒǱ ɱǯǺǖ
.(ȟ/I ÿǟǺȡşǺȮŋ 200) ɄĦǱǺţǟ ȯƺŸǂǽ ŌÔĦǪÊţǟ ȷƺŸǟǟ ȡŋ ȴǪęǕ ȡǖƺǿƺÛǟǟ ǦǬǦù Ž ǺƥǕ ȷƺǿ ɃǕ ȷƺȮǖ
.ȟ/ŋŸŋ 1.0 ȡʒ ǼǺǺ ɍ :**Sulfated ash** ǨǺŸÊţǟ ǻǺŋǺǟǟ

ȬǖşǺǺǨşǼŋȷǟ Ȓƥ ǼǬǺǖ ɍ Ǚǧǟʒǟè 4 ǥǼŋ ÿ 105 ǦǱǿǼǟǺǽ ƵǺƶ :**Loss on drying** ƵĒǺǱǪǟǺǽ ǼǬǺǟǟ
.ȟ/ŋŸŋ 70 ȡŋ ǺǯõǕ ɍş ȟ/ŋŸŋ 45 ȡŋ ŌęǕ ǼǬǺǖ Ƴƺ ǧǟǿǼǇTǟ ɄǝǺǪ ŌȮÎǟǟ ǺŋǕ Ûȟ/ŋŸŋ 10 ȡŋ ǺǯõǕ ɄǝǺŋƳǟǟ

ȡŋ ȷǖǺŋ Ž ÛǦĒùƺǦȒŋ ǦǪşǟƺŋ Ûȟ0.2 ǦǟǟǺę ǡǟǾǖ :**Primary aromatic amines** ǦĒǒşȷǟ ǦĒǨǺŋşǿȷǟ ǧǺǺĒŋȷǟ
10ş TS (ȯ/ȟ10) ÿƺǖǻƺÔǟǟ ǨǖǺǪǪ ȡŋ Ōŋ 4 ȢǺȒǖ .TS (ȯ/ȟ80~) ÿƺǖǻƺÔǟǟ ǼĒÊõşǿǼĒŁ ȡŋ Ōŋ 1ş ŏǺŋ Ōŋ 5
ǧǺŋǺǺŸè ȡŋ Ōŋ 5 ȢǺȒǖ .ƙǪǬĒęǻ ǥǼŋ ǺǬǪÊĒǟ ǒǺǪǖş ÛɱǯǺǖ ÛVS (ȯ/ȯƺŋ 1) ȬǖǿƺŸõşǿǼǇTǟ Ȓƥ ȡŋ Ōŋ
15ş TS ȯƺǪǺǯǕ/ȯƺǯǺǪ-1 ȡŋ Ōŋ 0.4 ȢǺȒǖ ÛǥǼǵǟş ǦǬĒęǻ ǥǼŋ ǺǬǪÊĒǟ ǒǺǪǖ ÛǺǼĒǱ ǯǺǖ ÛTS (ȯ/ȟ25) ÿƺĒǪƺŋȷǟ
.Ōŋ 50 ɁǿǪǵ ŏǺţǻ ƵǺƩş ÛTS (ȯ/ȟ80~) ÿƺǖǻƺÔǟǟ ǼĒÊõşǿǼĒŁ ȡŋ Ōŋ

ɍ ǙŌǪǺư ǡƺŸèǖǽ ǥǺȒǂǟ ƵȉǟƺȮǟǟ ɁŸʒ ɃƺǪƠ ǼǖǾŋ ǥǨǱƺǵ ŌǽǺŌŋ ǺǪŋƺǪǺǪ 485 ǦǱƺŋ ȯƺù ǼǺʒ ȋ ǺȽǪǟǟ ǡǺǬǖ
.0.15 ȡŋ ƎõǕ ȋ ǺȽǪǟǟ ȷƺȮǖ

ȡŋ Ōŋ 30 ȢǺȒǖş Ōŋ 125 ǺȤǪĦè ǦĒùşǺƯ ǦŸǱƺǵ Ž ÛǦĒùƺǦȒŋ ǦǪşǟƺŋ Ûȟ0.3 ǦǟǟǺę ʒȓƺǖ :**Assay** ǦÊǖǺŌţǟ
ǿǺĒǪǟǺǽ ŌȽĦǖ ƵǯȮŋ БǕ ǦŸǱƺΣǟ ŌòƺǨ .R ȬǪǺǟǟ ȧƺĦÊŋ ȡŋ ȟ0.5ş TS (ȯ/ȟ50) ÿƺǖǻƺÔǟǟ ǼĒÊõşǿǼĒŁ
Ōŋ 20 ǿǽ ƳŋǺõ ǦŸǱƺΣǟ ƵǯȮţǟ ƵÛÎǖ ÛǦƺǺȢǟǟ ǥǿǟǺǵ ǦǱǿǻ БǕ ǦŸǱƺΣǟ ǻǺĦǨ .ǥǼǵǟş Ǧʒǟè ǥǼŋ ɁŸȢǖş ɄʒƺǱǟǟǟ

[illegible] 5 [illegible]
TS (tetrabromophenolphthalien [illegible] 1 [illegible]
[illegible] VS (0.05) [illegible] ethyl ester)
$C_{11}H_9I_3N_2O_4$ [illegible] 10.23 [illegible] VS (0.05) [illegible] 1 [illegible]

[illegible]

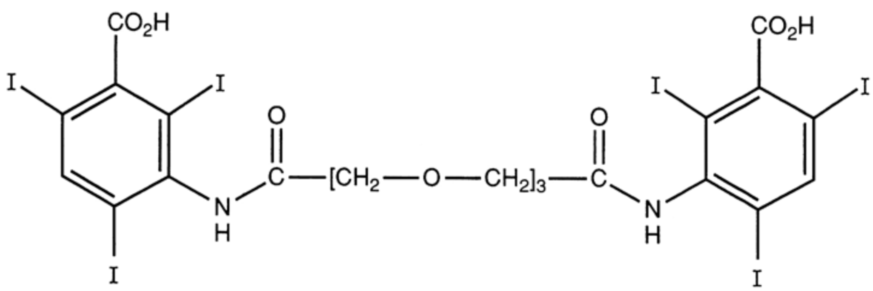
dditional requirement for Amidotrizoic for Parenteral use

(56 [illegible] 4 [illegible]) "*Parenteral Preparations*" [illegible]

Test [illegible] :Pyrogens [illegible]
[illegible] (165 [illegible] 1 [illegible])"for Pyrogens
[illegible] 5 [illegible] 0.6 [illegible]

Acidum iotroxicum

Iotroxic acid [illegible]



$C_{22}H_{18}I_6N_2O_9$

1215.8 **:Relative molecular mass** [illegible]

:Chemical name [illegible]

3,3′-[Oxybis(ethyleneoxymethylenecarbonylimino)]bis[2,4,6-triiodobenzoic acid]; 3,3′-[oxybis[2,1-ethanediyloxy(1-oxo-2,1-ethanediyl)imino]]-bis[2,4,6,-triiodobenzoic acid]; CAS Reg. No. 51022-74-3.

[illegible] **:Description** [illegible]

[illegible] **:Solubility** [illegible]

Category:

Storage:

REQUIREMENTS

$C_{22}H_{18}I_6N_2O_9$ %98.0 %102.0

Identity testes

A: "Spectrophotometry in the infrared region (43 ... 1 ...). RS

B: 0.05 ... 2 ... (~1760 ...) TS

Heavy metals: 1.0 ... 3 ... Limit test for ... (~100 ...) TS ... A ... 1 ... (127 ... 1 ... "heavy metals 1 ...

(128 ... 10 ...

Halides: 10 ... 30 ... (~100 ...) TS ... 0.001) VS ... 1 ... 0.1269 ... 0.001) VS ... I ... 40 ...

Solution in alkali: 5 ... 5 ... (~80 ...) TS ... 2 ... Yw2 ... (53 ... 1 ...) "Colour of liquids" ...

Sulfated ash: 1.0 ...

Water: "Determination of water by ... A ... 1 ... (145 ... "The Karl Fischer method 0.4 ... 10 ... 30 ...

ĞÕȄęÀöä ČÕĞÛöä āäÀÎǪèä" ɉäζÁɜ ǨƠ Ȣζòζɳ ζȽ Àȶõ øÀǪǹɍä ʔÀǅʵ :**Foreign substances** ĞĞÀȢöä ấäζʈä 62 ȡɳ ʝÀâɳȿ ÛĞŸỹȢɳ ĝấÀȶõ R6 ÀÒȄŸȄÊöä ĞɳŸȽ ÿäÆǺǪèÀæ Û(84 ĞĦÀÔöä Û1ÆŸŎä) "Thin-layer chromatography õÀʈä ȡɳ ÿζǅǵ 6ȿ R ɄəÀɳŸöä ŐȄɳøζÀöä Ȑϸ ȡɳ ƙȶǅǵȿ R òζǷÀǯȄʈä ȡɳ ÀȶǅǵĞ 32ȿ R ÿøζζȿøζŸÒöä ȡɳ ÀȶǅǵĞ ȡɳ ȟ0.1 (A) òζŸǂä ɃζƷ :R òζǷÀǯȄʈä Ž ƙòζŸȚ ȡɳ ÀǪȍȿÀÒɳ 5 ĞĦȄÀÔöä ʡŸɜ ŸÔÀÀɳ ĘǬÛÀ .ōÀĦǪɳ øζÛõ ĝÀǅǵ ȡɳ ĞĦȄÀÔöä ʈÂǷ ÆĦæ .ÀǪȍ ɄŸȄʈä Ž ŐȄÊõȿÀǩζȄöä Ȑϸ ȡɳ ɳŸɳ 0.5 (B)ȿ ÀǪȍ ɄŸȄʈä Ž ŐȄÊõȿÀǩζȄöä Ȑϸ ȧζζ ĞĦÌɉä òζȑ Ž āäÀÎǪèɍä ÙÛƯ ÒĦÀȴȿ ÛĞζÀȢöä ĝøÀǵ ĞǅøÆæ òäζȽ øÀȄǩ Ž ƸǅǪȍ ōÀǪȴ ÛāäÀÎǪèɍä .(ÀǪɳζǷÀǷ 254) ĞȄǅÊÀÀĞöä

.B òζŸǂÀæ ŌÔĦǪÊǩ ɄøǪöä ŐŸǩ ȡɳ ĝÆÌ ÀǯõȘ ÛĞȄÊȄəÀöä ĞĦŌĞöä õÀÀǯǪèÀæ ÛA òζŸǂÀæ ŌÔĦǪÊȴ ĞĦŌæ ĞÀȘ ɉζÒǩ ɍ

ĞŸǅζǵ ƁȘ ÛĞȄùζĞȐɳ ĞǷȿàζɳ ÛȟĦ1 ĞäÀȩ ŌŌÀÀ :**Primary aromatic amines** ĞȄəÆĞöä ĞȄǨÀɳȿøɉä ğÀÀȄɳɉä òζŸǂä =) õÀɳ Ōɳ 12.5 ȢÀȐÀȿ ÛVS (ȯ/òζɳ 1) ÿζÀấζÔöä ÆȄÊõȿøÆȄȽ ȡɳ Ōɳ 2.5 āäØÀ ÛŌɳ 50 ÀȚǪĦè ĞȄȶǅǵ 0.1) ÿζÀấζÔöä ÆȄÊõȿøÆȄȽ ȡɳ Ōɳ 0.2 Ž RS ŐÀȿÂøÀæȿấζÀ ɄǪŸǪ 6 Û4 Û2-ζÆȄɳÛ-3 Ȑϸ ȡɳ ɳŸɳ 5 āäØÀ .(A 50 ÀȚǪĦè ĞȄȶǅǵ ĞŸǅζǵ ƁȘ òζŸǂä äØȽ ȡɳ Ōɳ 2 ŌǹÆȴ .Ōɳ 10 ǯÀǪǪ õÀʈä ȡɳ ĞȄζÀõ ĞȄȶÒæ ƸÀƩȿ VS (ȯ/òζɳ òζŸǂä Ōǅɉ .(B òζŸǂä =) VS (ȯ/òζɳ 0.1) ÿζÀấζÔöä ÆȄÊõȿøÆȄȽ ȡɳ Ōɳ 10ȿ õÀʈä ȡɳ Ōɳ 3 ȢÀȐÀȿ Ōɳ 0.1) ÿζÀấζÔöä ÆȄÊõȿøÆȄȽ ȡɳ Ōɳ 10 ȢÀȐÀȿ Ōɳ 50 ÀȚǪĦè ĞȄȶǅǵ ĞŸǅζǵ ƁȘ õÀʈä ȡɳ Ōɳ 5 ŌŌÀÀ ÛÆȽÀÎöä .VS (ȯ/òζɳ

.ƘǹüǨ ɉȿấ ȡɳÂǪɳ ζƯ ʡŸɜ ĞǪŸǯöä ŌȄöÀǂä ÿäÆǺǪèä ɜĞǪÀȿ ČɳÀǩ ĞęÆæ ğÀȶȄŸĦǪöä ÆęäÀǩ :ĞȚǵŸɳ

Ž ɜȑζǩ .ǯÂʈä ȢÆõ swirl ÿȿÆÀȿ ĞŸǅζƩä ĘŸȢǩ ÛòζŸȚ ŌÒȍ R ŌȄǯȄʈä ɄəÀǪ ÆȄÊõζÀŸè ȡɳ Ōɳ 25 ȢÀȐÀ ǨÀÀǪǷ ȡɳ Ōɳ 2 ʓÀöä õÀǪÛ ȢÀȐÀ .ÿŸȚöä Ž õäÀǅǪɋä ɜäÀǪÀ .ĘəÀęấ 5 ĝÆɳ ÀŌǪÊǪȍ ōÀǪȴȿ ɃÆȄŸǅ ÿÀϸ Ž ÿŸȚöä ōÀǪÀȿ ÛǨȄęζǪõÀæ ÛÆĞȴ ÛĝÆĝäȿ ĞȄǷÀǪ ʡøǪǵ ÛÀŌǩ ǨȄęζǩ Ğɜ Àè ÿäÆǺǪèÀæ .ÀǅζäÀù ÀȐǂä TS (ȯ/ȟ20) ÿζÀấζÔöä ÛÆĞȴ .TS (ȯ/ȟ80) ÀǅζäÀù ÀȐǂä ŐȄɳÀÀŸÊöä Ȑϸ ȡɳ Ōɳ 1 ȢÀȐÀ .ÀɳÀǪ ĘəÀęấ 5 ĝÆɳ ɄəÀɳ ÿÀϸ Ž øäÀŌǪèŸǒ ɜæÀǪÀ .ÀɳÀǪ ĘəÀęấ 5 ĝÆɳ ɃÆȄŸǅ ÿÀϸ Ž ÀŌǪÊȄȍ ōÀǪÀȿ ÛÆɜÀÒǪöä ȡɜ àÀȢöä ƸęζǪÀ ʡøǪǵ ʓÀÀ ÛÀáÆƒ ǨȄęζǪõÀæ ÿÀϸ Ž ÀŌǪÊȄȍ ōÀǪÀ ÛTS ƙŸȄæȿɆöä òζÒȄŸȡ/ƙɳɉä ɄəÀǪ ƙŸǯÀÙ (ŌȄǯÀǷ –1) –N ÆÀøζŸõȿøÆȄȽ ȡɳ Ōɳ 2 ĞζÀȑüæ .õÀʈæ ȴǅǵ ƁȘ ƸÀƩȿ ÛȄɳÀǪ ĘəÀęấ 10 ĝÆɳ °ÿ 25-22 ĝøÀǵ ĞǅøÆæ ɄəÀɳ

ÆÀÂÀ ɍ .ÀĞÀÀŌǩ ÀǪɳζǷÀǷ 465 ČǅζɳòζùŽ ÆȽÀÎöä òζŸǂä ŌæÀŌɳ Bȿ A ƙòζŸǂä ɄòÀǪ âÀȄę ĝÀÌÀĞɳ ŌȶÒǪÊÀ .B òζŸǂä ÎÀǪ ȡɜ A òζŸǂä ÎÀǪ

Oxygen flask ƙǅÊõɉä ĞŸǅζǵ ČŌÀÀù" ɉäζÁɜ ǨƠ Ȣζòζɳ ζȽ Àȶõ ȧäÀǪĝɍä ɃÀƶ :**Assay** ĞÊÀŌʈä ōÀǪÀȿ ÛĞȄȑζĞȐɳ ĞǷȿàζɳ ÛŐȄÊõȿÀǩζȄöä Ȑϸ ȡɳ ɳŸɳ 4 ÿäÆǺǪèÀæ ȡÒȍȿ Û(132 ĞĦÀÔöä Û1 ÆŸŎä) "method

.VS (ό/όζ ɳ 0.02) ÿζΛǻζÔöä ğÅÅŸèζŀǯæ ÀΣä ǻζŀöä ÀÅÅĤΛ .ĞŐŀęǻ 30-20 ģǼɳ ÀŐϘÊŀő ZÛÎöä ǼĤæ ÒϘŧţä ŐəÅÊöä
.$C_{22}H_{18}I_6N_2O_9$ ȸɳ ŊŸɳ 0.6754 ùζÅÒΛ VS (ό/όζ ɳ 0.02) ÿζΛǻζÔöä ğÅÅŸèζŀǫ ȸɳ Őɳ 1 Őõ

ǂŏŧƟ !ƐƣƢƗƨŰƐ üШŬ pĭƨ ǀNjßƗNjĭǁƐ ƒ DžƟǁ ħĭʒƑƮƌ ǀƑǂƱƗDž

Additional requirement for Iotroxic acid for Parenteral use

(56 ĞĦÅÔöä Û4 ǼŸÕä ÀŢφä) "*Proparations Parenteral* ĞŀÅŐΣä ğäÀŔĦϘÊţä" ģǻşÀζǰ ǼŀDzϘÊΛ

Test ʔŧΣä ğäǼöζɳ ŐDZǰ øÅGϘǹä" ȷäζΛʒ ǨƠ Ȣζòζɳ ζĿ ÅŧŐ øÅGϘǹɼä ʔÀƶ :**Pyrogens** ʔŧΣä ğäǼöζɳ ȸɳ ȟ 0.6 øȍ ǋŀŐʒ öÅɳ Ž όζŸƮ ÛǢφøǰä ĞŸϘõ ȸɳ Ŋõ 1 ŐÒȍ ÛȸŐШ (165 ĞĦÅÔöä Ûόşǰä ǼŸŎä) "for pyrogens
.Őɳ 5 ȸʒ ǼΛÂΛ ɼ ÅŧŀζÕŀÊõşÀǩζŀöä Ȑþ

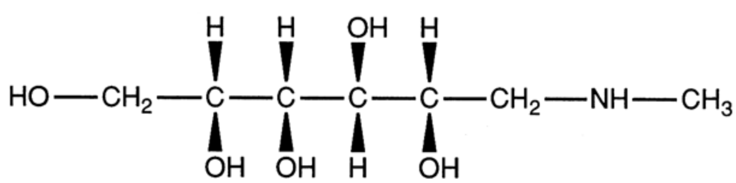
!ĭŝɏǁƐ üƑDžɏƗƨŰƐ üШŬ pĭƨ ǀNjßƗNjĭǁƐ ƒ DžƟǁ ħĭʒƑƮŰ ǀƑǂƱƗDž

Additional requirement for Iotroxic acid for sterile use

Test for sterility of non-injectable ȸŐĦŸö ģǼĤţä Ƙɖ ğäÀŔĦϘÊţä ĞɳÅŐʒ ŐDZǰ øÅGϘǹä" ģǻşÀζǰ ǼŀDzϘÊΛ
.(32 ĞĦÅÔöä ÛĞΛÂǼŸÒφqä ĞĦGÛöä Û5ǼŸÕä) "*preparations*

Megluminum

Meglumine DžĭDžNjǂƸDžǁƐ



$C_7H_{17}NO_5$

195.2 :**Relative molecular mass** ĞŀGÊΛöä ĞŀÅΛÂƨä ĞŸϘÒöä

:**Chemical name** ȖəÅŧŀÒöä ǋèɼä

1-Deoxy-1-(methylamino)-D-glucitol; CAS Reg. No. 6284-40-8.

.ÅGΛÀŐǩ ĞĦəäÀöä CǼʒ şÛ ĞĦəäÀöä CǼʒ ÛǨGΛÀŐǩ ȐŀæÛ şÛ ȐŀæÛ ȸøζŸæ ȧζĦÊɳ :**Description** Zòζöä

Ž āäşǽɼ ǺŀŸŧʒ ÛTS (ό/ȟ750~) όζφÅǯΛqä Ž ȷÅæşØöä ǴŀĦì ÛöÅţä Ž ȷÅæşØöä Àǵ :**Solubility** ĞŀφÅæşØöä

.RƘǪɉǟȘ R ÿǿʐʐȘǿʐŸÖǟ

.ǦȞÌǕ ȸǕĂǦǨ ȓÅèȘüõ ƙƞʐŸȣŦţǟ ğÅÊõȘÄǩʐǞǟȘ ƙƞʐŸȣŦţǟ ğǟȘÂĂÄǩȘǼǼƞǕ ƘȐƠ Ž ÿǼǺǪÊĂ :**Category** ǦÂÅǟ

.ǺǼǱ ǦÕŸȣƞ ǦĂȘÅǵ Ž ƙƞʐŸȣţǟ ȘÅǵ Ǣƶ :**Storage** ȸĂÂǺǪǟ

REQUIREMENTS ƘǦȞȢƱǨǳ!ƒ

ǥǻÅţǟ ƂǕ ţʐǱÄǟÅǟ ǦǟʐÊŢ Û$C_7H_{17}NO_5$ ȸƞ %100.5 ùʐÅÖĂ Åȶʒ ǼĂÂĂ ɍȘ %99.0 ȸʒ ÕÕĂ ɍ Åƞ ƙƞʐŸȣţǟ Ƀʐǫʒ .ǦÂÅÖǟ

Identity testes ȹɪǋǇȊ l ɛþƑǴȻɛ

ǥÄĂ .TS (ȯ/ȟ190~) ÕĂǿʐÅŸÊǟ ȐƥȸƞÕƞ 0.5Ș R ǼȽȽǼǟǿÅǦǟ ȸƞ Õƞ 0.5 ǒÅƞ Õƞ 5 ƂǕ ȣÅȐĂ :A

ȸƞ ȟ 0.1 ȝŸʒ Ƀʐǫʒ ȯʐŸŢ ǺǱȁÅù ÄȐʒ .ǦÕǼȩǻ 15 ǥǼƞ ǻƎǼõ ȱÄǪĂ Ż ÛɄȶǼȡ ȯʐŸŢ ÄŦŢĂ ȝøǪǵ ǦĂÅȞǟ üǻǼĂȘ

ȸƞ Õƞ 50 ȣÅȐĂ Ż ÛǺÅǪǕ ǿʐõØţǟ ȯʐŸɉǟ ȸƞ Õƞ 1 ȣÅȐĂ Õƞ 0.2 ƂǕȘ ÄǪǒ ɄŸǼţǟ Ž R ÿʐĂǻʐÔǟ ǼǼèȘÄǟȘÄǪ

ÄǯõǕ ǴǴÔĂ ǒÙǦǟ ȧǿàǕ ɈʐǕ ǿʐÛǪĂ ÜÄǪǒ ɄŸǼţǟ Ž R ÿʐĂǻʐÔǟ ğǟǿʐǟ ɄʒÅǟǿ ȸƞ ƞŸƞ 50 ȯʐŸŢ ȸƞ Õƞ 2Ș ƙƞʐŸȣţǟ .Ǩęʐǟ ʒƞ ǥǼÌ

ÕĂǿʐÅŸÊǟ Ȑȶƛ ȯǼȞǪÊĂȘ ÛTS ȯʐǪǯĂɋǟ/ÕǼǯǼţǟ ǥÄƥ ȸƞ Õƞ 0.05 ȣÅȐĂ ÛǒÅƞ Õƞ 2 Ž ȟ0.2 ǟǟØĂ :B

ǴǴÔĂ ÜR ÕĂǿʐǦǟ ȐƥȸƞȟȘ VS (ȯ/ȯʐƞ 0.1) ÿʐĂǻʐÔǟ ǼǼÊõȘǿǼǼȽ ȸƞ Õƞ 1 ȣÅȐĂ .VS (ȯ/ȯʐƞ 0.25) .ǼȐƥ ȯʐŸɉǟ

.°ÿ131-128 :**Melting range** ǿÅŦÔǪɍǟ ȯÅƒ

$[\alpha]_D^{20^\circ C} = -15.7 \text{ to } -17.3^\circ$ Üȯ/ȟ0.10 ȯʐŸŢ ÿǼǺǪÊĂ :**Specific optical rotation** Ʉʒʐǟǟ ɃÄÔǦǟ ÄĂȘǼǪǟ

ǿÅǦǪǹɍǟ" ɈǟʐĂʒ ǨƠ ȣʐòʐƞ ʐȽ Åȶõ ǿÅǦǪǹɍǟ ȯʐŸŢ ƘȐȞǪǒ ȟ1.0 ÿǼǺǪÊĂ :**Heavy metals** ǦŸǼÕǯǟ ɈǻÅȞţǟ

ȸƞ ʔʐǪɉǟ ƙȞĂ Ü(127 ǦȞÅÔǟ Û1 ǼŸÕǟ) 1 ǒǟÄǱɋǟ "Limit test for heavy metals ǦŸǼÕǯǟ ɈǻÅȞţǟ ÕǱɉ ɃǼΣǟ .ȟ/ÿǟÄȡȘÄÖƞ 20 ȸʒ ǼĂÂĂ ɍ Ü(128 ǦȞÅÔǟ Û1 ǼŸÕǟ) A ǦÕĂÄÛŸǒ ǺȞǦǨ ǦŸǼÕǯǟ ɈǻÅȞţǟ

ʐǼèÅǩʐǦǟ ğǟÄùÄù ȸƞ Õƞ 5 ȣÅȐĂ ÛǒÅţǟ ȸƞ Õƞ 5 Ž ȟ0.25 ǟǟØĂ :**Reducing sugars** ǦǟÂǪǺţǟ ÄõÅÖÊǟ .ǦǼǟ ǒǟÄƥ ǦǟÅèǿ ǰǪǨ ɍ ÜƙǪÕǼȩǻ ǥǼƞ ȝŸȣĂȘ .TS ÕĂƎõ–

ǇǼʒȘ ǺǼʐÅò ǒÅţǟ ȸƞ Õƞ 10 Ž ȟ1 ȯʐŸŢ ɈʐÖĂ :**Clarity and colour of solution** ȯʐŸɉǟ ɈʐǒȘ ǒÅÂÔǟ .ɈʐŸǟ

.ȟ/ƞŸƞ 1.0 ȸʒ ǼĂÂĂ ɍ :**Sulfated ash** ǨÅŸÊţǟ ǻÅƞÄǟ

10 [illegible] 105 [illegible] :**Loss on drying** [illegible]

0.1) [illegible] 40 [illegible] 0.5 [illegible] :**Assay** [illegible] TS [illegible] VS [illegible]

.$C_7H_{17}NO_5$ [illegible] 19.52 [illegible] VS [illegible] 0.1) [illegible] 1 [illegible]

[illegible]

Additional requirement for Meglumine for Parenteral use

.(56 [illegible] 4 [illegible]) "*Parenteral preparations* [illegible]"

Test [illegible] :**pyrogens** [illegible] 0.6 [illegible] 1 [illegible] (165 [illegible] 1 [illegible]) "for pyrogens [illegible] 5 [illegible]

[illegible]

Additional requirement for Meglumine for sterile use

Test for sterility of non-injectable [illegible] "preparations [illegible] 5 [illegible] 32 [illegible].

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l ƑƷƐǋ ƨ ǁƐ l Ɛơǋǋƥƺƈ

Monographs for excipients

Acidum aceticum

Acetic acid حمض الأسيتيك

[illegible] *namely glacial acetic acid* [illegible]

$H_3C—CO_2H$

$C_2H_4O_2$, Glacial acetic acid

60.05 [illegible] **:Relative molecular mass** [illegible]

:Chemical name [illegible]

Acetic acid; CAS Reg. No. 64-19-7.

[illegible] 15° [illegible] **:Description** [illegible]

[illegible] (~750 [illegible]) [illegible] **:Miscibility** [illegible]

[illegible] **:Category** [illegible]

[illegible] **:Storage** [illegible]

[illegible] **:Additional information** [illegible] 15° [illegible]

: d_{20}^{20} **:Relative densities** [illegible]

- 1.050 [illegible]
- 1.041 [illegible]
- 1.005 [illegible]

REQUIREMENTS [illegible]

[illegible] %99.0 *m/m* [illegible] %100.5 *m/m* $C_2H_4O_2$.

[illegible] %32.5 *m/m* [illegible] %33.5 *m/m* $C_2H_4O_2$.

.$C_2H_4O_2$ ሹ *m/m* %6.3 ǜ?ỈỎ٨ Ẩ٤ვ ÆẦÂ٨ ɍʂ *m/m*%5.7 ቋვ ỖỖ٨ ɍ Ẩɳ ʔỸვ ⱫẢẤ٤ Ỗɛɛɉ Ȑ ϸ Ƀʐɀ

Identity testes ƕĭŇǰǊǁƐ ƖƐƥƑǶȻƐ

.ⱫẢẤɫ ẨɳÆ٨ვ Ƀʐʂ Ȑ ϸ :A

Ȑ ϸ ሹ Ỗɳ 1 Øǹǘ٨ ʂǕ ǕǒẨʈ ሹ Ỗɳ 1 ვɳ ɄǱʐỸỖ Ỗɛɛɉ Ȑ ϸ ሹ Ỗɳ 0.1 ẨɳǕ øẨǹ ǡʐǕ ƂǕ ỖỖ٨ :B

ሹ Ỗɳ 1ʂ TS (ȯ/ȟ750~) ȯʐẨǭ ሹ Ỗɳ ǰ 1 ǡʐǕ ỖỖ ƂǕ Ȣ ẢȒ٨ ǕⱫẢẤ٤ Ỗɛɛɉ Ȑ ϸ ʂǕ Ỗɛɛɉ

ẨȚɄɐẨ ȭøǽ Ʉø ỖɛɛɉǦẨɛǕ ǰ ǕɉẨȢ ʔøǵ ǰẨʈ ሹẤÊ٨ʂ ǕTS (ȯ/ȟ1760~) Ỗ٨øʐẨÊ Ȑ ϸ

.(øǾΣ ვɳ ვẨ٨)

Ỗɳ 2 ვɳ Ỗɛɛɉ Ȑ ϸ ሹ Ỗɳ 1 ʂǕ ǕǒẨʈ ሹ Ỗɳ 3 øȤ ɄǱʐỸỖ Ỗɛɛɉ Ȑ ϸ ሹ Ỗɳ 0.3 ẨɳǕ ⱫẢƩ :C

Ỗɳ 0.5 Ȣ ẢȒ٨ Ż .TS (ȯ/ȟ100~) ẨʐɳɉẨ ẨȚẨɳ ɃǕ ȯÆǶÊ٨ ǕⱫẢẤ٤ Ỗɛɛɉ Ȑ ϸ ሹ Ỗɳ 3 Øǹǘ٨ ʂǕ ǕǒẨɳ

ǰẨʈ ሹẤÊ .TS (ȯ/ȟ100~) Ẩʐɳɉ ሹ Ỗɳ 0.05ʂ TS ẩʐ ሹ Ỗɳ 0.1ʂ TS (ȯ/ȟ30) ȳʐẨǭƳ ǦẨ ሹ

.ŹẨ ȧøǕ ɉʐ ẨȚȚ٨ ǕøẨỖɛƳ ȭẨʂ ɉȢ ʔøǵ ǦẨẨ

20 ʂǕ Ỗɛɛɉ Ȑ ϸ ሹ Ỗɳ 10 ʂǕ ɄǱʐỸỖ Ỗɛɛɉ Ȑ ϸ ሹ Ỗɳ 3.5 Øǹǘ٨ :**Heavy metals** ǦỸỖ ɉẩẨʈ

ሹ Ỗɳ 15 ǦẨ ỖỖ ƂǕ Ȣ ẢȒ٨ .ɄẨɳ ȳẨϸ Ž ȢẨƨ ʔøǵ æʐǹǘɳ ƖǱǵ ɃǕ ẦẤ ẩÆ٤ʈ Ỗɛɛɉ Ȑ ϸ ሹ Ỗɳ

ʐȽ Ẩ٤ȭ ǦỸỖ ɉẩẨʈ ሹ ʔʐǂ ƙẨʂ ǕɉẨʂØ ʔøǵ ⱫǕỸ ǘÆ٨ ǕVS (ȯ/ȯʐɳ 0.1) Ỗ٨øʐỸȭʂøÆȚ Ȑ ϸ

Ǖ1 ÆỸỎ) A ǦỖẦǕ "Limit test for heavy metals ǦỸỖ ɉẩẨʈ ỖǱɉ ɃÆΣ øẨǹɍ" ɉʐვ ǨƠ Ȣʐȍʐɳ

Ǖȟ/ȳẨȡʂẦỎɳ 2 ቋვ Ỗɛɛɉ Ȑ ϸʂ Ǖȟ/ȳẨȡʂẦỎɳ 6 ቋვ ɄǱʐỸỖ Ỗɛɛɉ Ȑ ϸ ʔʐȚ ÆẦÂ٨ ɍ Ǖ(128 ǦɄẢÔ

.ȟ/ȳẨȡʂẦỎɳ 1 ቋვ ⱫẢẤʈ Ỗɛɛɉ Ȑ ϸʂ

ỖǱɉ ɃÆΣ øẨǹɍ" ɉʐვ ǨƠ Ȣʐȍʐɳ ʐȽ Ẩ٤ȭ øẨǹɍ ვẨ٨ʂ Ỗɳ 3.5 Øǹǘ٨ :**Chlorides** ǦẨÆ٨øʐỸỎ

.ȟ/ȳẨȡʂẦỎɳ 70 ቋვ Æ٨øʐỸỎ ʔʐȚ ÆẦÂ٨ ɍ Ǖ(124 ǦɄẢÔ Ǖ1 ÆỸỎ) "Limit test for chlorides ǦẨÆ٨øʐỸỎ

Limit ǦẨẦỸÊ ỖǱɉ ɃÆΣ øẨǹɍ" ɉʐვ ǨƠ Ȣʐȍʐɳ ʐȽ Ẩ٤ȭ ვẨ٨ʂ Ỗɳ 2 Øǹǘ٨ :**Sulfates** ǦẨẦỸÊ

.ȟ/ɳỸɳ 0.24 ቋვ ǦẨẦỸÊ ʔʐȚ ÆẦÂ٨ ɍ Ǖ(125 ǦɄẢÔ Ǖ1 ÆỸỎ) "test for sulfates

ȳẨϸ Ž ⱫẨǱʐỸ (ȟ10 ቋვ ỖỖ ɍ) ǦʐʂẦẨɳ ǦỸȭ ƂǕ ƖǱΣ ẦẤ :**Non-volatile residue** ǵøẨÛ ƘȡǦẨ٤

.ȟ/ɳỸɳ 0.1 ቋვ ǦẨ٤ ɉȁʂ ÆẦÂ٨ ɍ Ǖ°ȳ105 ǦǱøÆ ⱫẢΘʂ ǕɄẨɳ

ɄǱʐỸỖ Ỗɛɛɉ Ȑ ϸ ሹ Ỗɳ 5 ⱫẢƩ :**Readily oxidizable substances** ǦʐȚÊ ǵÆÊȭɊ ǦỸẨỖ ẩʐʈ

Ỗɛɛɉ Ȑ ϸ ሹ Ỗɳ 5 ȳÆẤÊ٨ ʂǕ ǕǒẨʈ ሹ Ỗɳ 20 øȤ ȯʐỸǂ ǾȽ ሹ Ỗɳ 5 ǦẨ ⱫẢƩʂ ǒẨʈ ሹ Ỗɳ 10 øȤ

ǦẨẨȢẨɳƘ ሹ Ỗɳ 0.2 ẨȚẨɳ ɃǕ ƂǕ Ȣ ẢȒ٨ .ⱫẢẤʈ Ỗɛɛɉ Ȑ ϸ Ỗɳ 25 ȳÆẤÊ٨ ʂǕ ǕǒẨʈ ሹ Ỗɳ 20 øȤ ⱫẢƩ

.ẨɳẨ ɉʐỸ ȯʂÂ٨ ɍ ǕǦẨ 30 ẦỖÊ ȭẨʂ ǕVS (ȯ/ȯʐɳ 0.02) ȳʐɛẨʐǦ

[illegible] 5 [illegible] 50 [illegible] 2 [illegible] **Assay** [illegible]
[illegible] 20 [illegible] 50 [illegible]
[illegible] TS [illegible] 3 [illegible] 30 [illegible]
[illegible] VS (1 [illegible]) [illegible].
[illegible] 1 [illegible] 60.05 [illegible] $C_2H_4O_2$.

Acidum alginicum

Alginic acid [illegible]

Composition [illegible] D [illegible]
[illegible] Phaeophyceae [illegible] L [illegible]
[illegible].

Chemical name [illegible]:

Alginic acid; CAS Reg. No. 9005-32-7.

Description [illegible].

Solubility [illegible]
[illegible].

Category [illegible] release-rate modifier.

Storage [illegible].

Additional information [illegible] 240 [illegible]
[illegible].

REQUIREMENTS [illegible]

Identity testes [illegible]

A: [illegible] 30 [illegible] 5 [illegible] (0.1 [illegible]) VS [illegible] 1 [illegible]
(55 [illegible]) TS [illegible].

ÕǾǿƺȦŸÊǿǟ R̀ƥ ȸȵ Ōȵ 1 ȣȦR̂ǿş VS (ȯ/ȯƺȵ 0.1) ȳƺǾåƺÔǿǟ ǼǼÊõşǿǼǼ ȸȵ Ōȵ 5 Ž ŊŸȵ 30 āǟØǾ :B
.ǴŸÕǫ ǴŁȵŸŁ ǴǟȦèǿ ŌȮÎǪǩ ŮTS (ȯ/ȟ570~)

ȯƺǾå -3 Ů1- ƙǿǰƺȦǫ ÆõȦƫ ǶDZǟȦù ȦR̂Ţ ȯƺŸŢ ȸȵ Ōȵ 1ş ǿȦƫǟ ȸȵ Ōȵ 5 ǿȦǴǪǹǟ āƺǴǪ Ž ŊŸȵ 5 Ƃǚ ȣȦR̂Ǿ :C
3 ǥǼȵ ȤÛŸǟ ɁŸȣǾ Ůȷ ȦǼŸȣǿǟ ɁøǪǵ ǰǾÂƫǟ ȸǺÊǾ .TS (ȯ/ȟ750~) ȯƺǫȦǰǾqǟ ȸȵ Ōȵ 100 Ž ȟ1 ɁŸȝ ɃƺǪȜ R
Ōȵ 5 ǴǼȞȵ Ōȵ 30 ȦȚǪȞè Separator ǴŸòȦƺ Ƃǚ ǿȦǴǪǹǟ āƺǴǪ ɁƺǪŢ ŎÕǾǾ .ǠǴǾȦÕǩ °ȳ 15 ǴDZǿǼǿǟ Ƃǚ åƎǾş ŮĘǝȦęå
ɍ . î ƺȞȦƫǟ ÕǼǼƨȷǟ R̀ƥ ȷşǼǟ ǿǟȦDZqǟ ǿȦȮǾ ǼȽȦÎǿǟ ŌDZǰ .R ŌǼǟşƎǿǟ ɄǝȦǫ ƘǪǚ ȸȵ Ōȵ 15 ǴòŸǹş ǿȦƫǟ ȸȵ
.ǼȽȦÎǿǟ Ž ŌÔȞǪÊƫǟ ȷƺŸǿǟ ȸȵ ȴǪęǚ ǴòŸƖǟ Ž ǰǩȦǿǟ ɄDzÊȦǴǿǟ Ȧƥȷǟ ȷƺŸǿǟ ȷƺȮǾ

R̀ƥ ȸȵ Ōȵ 2 ȝȵ ȟ1.0 ǴÕǩƺǟ Ž ǴǾȦȞǟ (ŌǶÎǾ) Ǽȵ̄Ȧǿ ǿȦǴǪǹǟ ȯƺŸŢ ƘR̂ȞǪǿ :**Heavy metals** ǴŸÕǰǿǟ ȷåȦȞƫǟ
Ż ŮǿȦR̂Ǽǟ ǥȦŇǚ ǼȝȦÔǪǩ ɁøǪǵ TS (ȯ/ȟ1760~) ÕǾǿƺȦŸÊǿǟ R̀ƥ ȸȵ ǧǟȦÛę 5ş TS (ȯ/ȟ1000~) ÕǾȦǪǿǟ
ɁøǪǵ ɄǝȦȵ ȳȦƥ Ž ǿŮǴǟ ȦǺǴǾş ŮTS (ȯ/ȟ420~) ÕǾǿƺŸõşǿǼȚǟ R̀ƥ ȸȵ Ōȵ 2 ȣȦR̂Ǿ ŮåƎǾ .ǠȵȦǪ ǼȵȦȽ
ȣȦR̂Ǿ Ż ŮǿȦƫǟ ȸȵ Ōȵ 10ş TS (ȯ/ȟ420~) ÕǾǿƺŸõşǿǼȚǟ R̀ƥ ȸȵ ǥǼǵǟş ǥȦÛę ǴǿȦƫǰǿǟ Ƃǚ ȣȦR̂Ǿ .ȣȦǟƨǟ
ÕǼǪèȷǟ R̀ƫǕ 4-3 Ƃǚ ǿȦȽȦǴǿǟ ǴǶȞÔǩ .ǠȦǼȦǹ ǠǾƺŸę ȯƺŸƚǟ ŌȞƨ TS (ȯ/ȟ260~) ȦǼǫƺȵȷǟ ȸȵ ǴǼƺȦõ ǴǼƫõ
ǿȦǴǪǹǟ" ȷǟƺǾȝ ȞƠ ȣƺòƺȵ ƺȽ Ȧƫõ ǴŸÕǰǿǟ ȷåȦȞƫǟ ȸȵ ɁƺǪƚǟ ƙȞǾ .ǿȦƫȦǟ Ōȵ 40 Ƃǚ ȤȦƸş ŮTS (ȯ/ȟ60~)
40 ȸȝ ǼǾÂǾ ɍ Ü(128 ǴȞȦÔǿǟ Ů1 ǼŸÕǟ) A ǴÕǾȦÛǿǟ "Limit test for heavy metals ǴŸÕǰǿǟ ȷåȦȞƫǟ ŌDZǰ ɃǼƩǟ
.ȟ/ȳǟȦqşȦȮȵ

ǴȞȦÔǿǟ Ů1 ǼŸÕǟ) "Determination of ash åȦȵȦǿǟ ƙǼȞǩ" ȷǟƺǟȝ ȞƠ ȣƺòƺƫǟ ǿǟȦDZqǟ ǼƫǪȞǾ :**Ash** åȦȵȦǿǟ
.ȟ/ŊŸȵ 40 ȸȝ ǼǾÂǾ ɍ Ü(173

.ȟ/ȟ0.18 ȸȵ ȦǰõǙ ǼÕȦǿǟ ȷƺȮǾ ɍ Ü°ȳ105 ǴDZǿǼǿȦǟ ǴǪǟȦǫ ǴŸǪõ Ƃǚ ȤȦƺ :**Loss on drying** ȤǼȦDZǪǿȦǟ ǼÕȦǿǟ

.3.5-1.5 ǿȦȽȦǴǿǟ ŮǿȦƫǟ ȸȵ Ōȵ 100 Ž ȟ3 ȦǰǾǾ :**pH value** ǿȦȽȦǴǿǟ ǴƫǼę

Ōȵ 30ş ǿȦƫǟ ȸȵ Ōȵ 50 ȸȵ ǰǾÂȵ Ž ǴǼùƺǴR̂ȵ ǴǫşàƺȵŮȟ1 ǴǟǟȦę ĘǶȞǾ :(150 ǴȞȦÔǿǟ Ů1 ǼŸÕǟ) : R̀ƫΣǟ ǴƫǼę
ǼǼÊõşǿǼǼõ ȦǾȦȞǾş ŮǥǼǵǟş ǴȝȦè ǥǼȵ ǿǟȦÕǪèŸǚ õȦǪǾ ŮŸȵȦõ ǫƷȦǾ .VS (ȯ/ȯƺȵ 0.25) ȳƺǼÊǿȦȮǿǟ ǧȦǪǼèǚ ȸȵ
ÕǼǼƨȷǟ R̀ƥ ȷşǼǟ ǿǟȦDZqǟ ǿȦȮǾ .ȦȞÎƫõ TS ȯƺǫȦǰǾqǟ/ƙȦǿȦǰƺ ȯƺǼȦǿǟ ȳǟǼǺǪèȦǟ ŮVS (ȯ/ȯƺȵ 0.1) ȳƺǾåƺÔǿǟ
Determination R̀ƫΣǟ ǴƫǼę ƙǼȞǩ" Ž ɁŮȞȵ ƺȽ Ȧƫõ āȦÊΣǟ ȝǟȦǪǾ .ǴǾǿşȦR̂ǿǟ ǧȦȞǼȞÔǩ ǴǾǚ ɁȦƟş î ƺȞȦƫǟ
(ȯ/ȯƺȵ 0.1) ȳƺǾåƺÔǿǟ ǼǼÊõşǿǼǼ ȸȵ ǧǟȦǪŸǼŸǼƫǟ ȸȵ åǼȝ ȳǟǼǺǪèȦǟ Ů(173 ǴȞȦÔǿǟ Ů1 ǼŸÕǟ) "of acid value
.230 ȸȵ ȦǰõǙ ȷƺȮǾ ɍ ŮǴǾȦÕǟ ǥåȦƫǟ Ƃǚ ƫƺDZȦǿȦǟş *a* Ōǰȵ ÆŸŮǪǾ VS

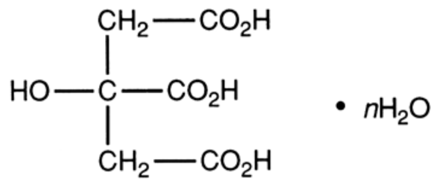
Acidum citricum

Citric acid pĭþĦĭƨǁɛ ƒ ǅƟ

Citric acid, anhydrous ǏǝǇǅǘǁɛ pĭþĦĭƨǁɛ ƒ ǅƟ

Citric acid monohydrate ƘƒƧþǒǌ!ƒ þǒơǍ ǁǒƧƙǒƪ!ƒ Ưǆơ

.(ğäǿǼŢä ǼǥĢş) 210.1 Ü(ȹǝǅƞ ɼ) 192.1 :**Relative molecular mass** ǦȄÊǺǒä ǦǺÂƨä ǦŸǪǑǒä



$n = 0$ (anhydrous)
$n = 1$ (monohydrate)

$C_6H_8O_7$ (anhydrous)
$C_6H_8O_7,H_2O$ (monohydrate)

:**Chemical name** ȹǝǅȶǑǒä ǐèɼä

Citric acid; 2-hydroxy-1,2,3-propanetricarboxylic acid; CAS Reg. No. 77-92-9.

Citric acid monohydrate; 2-hydroxy-1,2,3-propanetricarboxylic acid monohydrate; CAS Reg. No. 5949-29-1.

.ǼŸȶȝ ǦȞǝäǺǒä ƇǼȝ şǓ ǦȞǝäǺǒä ƇǼȝ ÜȐǼǓ ɃǿƺŸǣ ȧƺȞÊƞ şǓ ȷƺŸǒä ǦƺǼȝ ğäǿƺŸǣ :**Description** ƵòƺǒäÜR ƘǪǰä Ž ȷǺǣşǾǒä ŌǼŸę ÜTS (ȯ/ȟ750~) ȯƺǢǮǺqä Ž ȷǺǣşǾǒä Ǻǵ ÜǒǺţä Ž ǼǄǅ āäşǣ :**Solubility** ǦǼǢǺǣşǾǒä

.R ȳǿƺƺşǿƺŸǑǒä Ž āäşǣ ɼ ǼŸȶȝ

.ǦǝǿäǻȷƺǑƞ ÜȐţƮ ŌƞǺȝ :**Category** ǦǺǺǒä

.ǼǄǅ ǦǑŸ8ƞ ǦǺşǺǵ Ž ȬǺȀǪǼÊǒä Ȑþ ŞǺǵ Ǽƶ :**Storage** ȸǺÂǺǪǒä

şǓ ğäǿǼŢä ǼǥĢş ŌǑÎǒǺǣ ȷǺõ ǟǣǓ ǺȶǼƺ ȬǺȀǪǼÊǒä Ȑþ ǦǺşǺǵ ʔŸȝ ȸǼǅ ȷǓ Ǽƶ :**Labelling** ǐǼèƺǪǒä
.ȹǝǅŸǒä

.8ǺƨäǒǟƺŢä Ž ȬǺȀǪǼÊǒä Ȑþ ǺȽǺǪ :**Additional information** ǦǼƺǺȑǓ ğǺƞƺŸȞƞ

REQUIREMENTS ƘǦǜǐƱƙǆ!ƒ

[illegible] $C_6H_8O_7$ [illegible] %101.0 [illegible] %99.5 [illegible]
[illegible].

Identity test [illegible]

General [illegible] "identification tests [illegible] (121 [illegible] 1 [illegible]).

[illegible] 1.0 [illegible] :**Heavy metals** [illegible] (127 [illegible] 1 [illegible]) 1 [illegible] "Limit test for heavy metals [illegible] 10 [illegible] (128 [illegible] 1 [illegible]) A [illegible].

[illegible] 10 [illegible] TS (~80 [illegible]) [illegible] 7.8 [illegible] 1 [illegible] :**Barium** [illegible] TS (~100 [illegible]) [illegible].

[illegible] 0.35 [illegible] TS (~100 [illegible]) [illegible] 10 [illegible] 1 [illegible] :**Oxalates** [illegible] TS (~55 [illegible]) [illegible] 2 [illegible] VS ([illegible] 2) [illegible].

[illegible] TS (~50 [illegible]) [illegible] 1 [illegible] 10 [illegible] 0.1 [illegible] :**Sulfates** [illegible] (~420 [illegible]) [illegible].

Determination of water by [illegible] :**Water** [illegible] (145 [illegible] 1 [illegible]) A [illegible] "the Karl Fischer mothod

– [illegible] 1 [illegible] 10 [illegible].

– [illegible] 0.15 [illegible] 75 [illegible] 90 [illegible].

[illegible] 1.0 [illegible] :**Sulfated ash** [illegible]

R [illegible] 50 [illegible] 1.5 [illegible] :**Assay** [illegible] TS [illegible] VS ([illegible] 1) [illegible].

[illegible] 1 [illegible] VS ([illegible] 1) [illegible] 64.03 [illegible] $C_6H_8O_7$.

Acidum hydrochloricum

Hydrochloric acid pĭþǋǂǀǋþƣĭǋǁǁ ƒ ǅŽƟ

HCl

36.46 :**Relative molecular mass** ǦƐǤÊǺǒǟ ǦƐǺǺÂƨǟ ǦŸǬȮǒǟ

:**Chemical name** ȖəǺƐȶƑȮǒǟ ȴèɼǟ

Hydrochloric acid; CAS Reg. No. 7647-01-0.

.(ǦǺǺǵ) Ǧʒǽ ɍ ȼǬĦəǟǿ Ü8Ǻȍ ȷȥŸǟ ƇƐʒ ƙǹǻ ȎəǺè :**Description** Ȥȍȥǟ

.ǒǺȶǺǽ ǯşÂɳ :**Miscibility** ǦƐǅşÂȶǟ

.ȁȶȚ Ȏɳǻʒ :**Category** ǦǺǺǒǟ

.ǻøǺǽ ȷǺȮɳ Ž ȼȚǺǵ ȎȒǺǺş ÛÿǺȮǵǻǽ ǦŐŸȣɳ ǦǺşǺǵ Ž ȌǺøȥŸȭşøƐȚǟ ȁþ ȘǺǵ Ǽȥ :**Storage** ȡǺÂǺǬǒǟ

.ǒǺȶǟ ȡɳ ƙȶǅǁ ȁȶΣǟ ȤǺƩ ǺɳƐʒ ǦĦəǟǺǒǟş ȡəǺǹƐǒǟ ȖǺǬơ :**Additional information** ǦƐȥǺȑǕ ǧǺɳȥŸǶɳ

. ρ_{20}=Ȏɳ/ȟ1.18 :Mass density ǦŸǬȮǒǟ ǦȥǺǯȭ

REQUIREMENTS ƘǦǿǁƱƙǅǃƒ

.HCl ȡɳ *m/m*%38.0 ȕȥǺȮǺ Ǻȶʒ ƐǺÂǺ ɍş *m/m*%35 ȡʒ ȎȌǺ ɍ Ǻɳ ȌǺøȥŸȮǒǟ ȁþ Ƀȥǫʒ

Identity testes ƕĭǋǁǁ ǀ ƐþƑǴƢǀƐ

.Ƀȥę ȁþ ȥȽ :A

General identification ǦɳǺǶǒǟ 8ǟǺǶǬèɼǟ ǧǟøǺǬȕǟ" ȷǟȥǺʒ ǨƠ 8ȥȍȥȶǟ øǺǬȕɼǟ ȖȖǶǺ ÜȎɳ 0.1 ÿƐǺǬÊǺ :B

.(121 ǦĦǺȎǒǟ Û1 ƐŸǑǟ) ǧǟƐǺøȥŸȮŸǒ Ǻȶȶȭ "tests

ȁþ ǴÛè ȡɳ ǟǟǺǬɼǺǽ TS (ȯ/ȟ100~) ǺƐǬȥɳɉǺǽ (ƐȕǺɳ) ʔƐǺɳ glass stick ȖǅǺǅǟ ƐƐȒȌǒ ǴȶÊǺ :C

.ǒǺȒƐǽ ȡəǺǹǻ ƐʒǺȎǬǩ ÜȌǺøȥŸȭşøƐȚǟ

Ȏɳ 2 8ǺȒǺ ÛȖəǺɳ ÿǺþ Ž 8ǺǺƨǟ ʔøǬǵ ȟ4 ǺǺǦǺ øǺǬȕɼǟ ȯȥŸȚ ƘȒĦǬǒ :**Heavy metals** ǦŸƐȌǯǒǟ ȷǻǺǶȶǟ

8ȥȍȥɳ ȥȽ Ǻȶȭ ǦŸƐȌǯǒǟ ȷǻǺǶȶǟ ȡɳ ʔȥǬǂǟ ƙǶǺ ÜǯÂƺş Ȏɳ 40 ƂǕ ȤǺƩ ÛPb TS (ȯ/ȟ60~) ȌƐǬèɉǟ ȁþ ȡɳ

ǦĦǺȎǒǟ Û1 ƐŸǑǟ) A ǦȌǺǺÛǒǟ "Limit test for heavy metals ǦŸƐȌǯǒǟ ȷǻǺǶȶǟ ȎǅɉɃƐΣǟ øǺǬȕɼǟ" ȷǟȥǺʒ ǨƠ

.ȟ/ÿǟǺȡşǺȮɳ 5 ȡʒ ƐǺÂǺ ɍ Ü(128

ȷǟȥǺʒ ǨƠ 8ȥȍȥɳ ȥȽ Ǻȶȭ ʒǽǺǬǺş Ȏɳ 1 ÿƐǺǬÊǺ .ǒǺȶǺǽ Ȏɳ 10 ƂǕ Ȏɳ 4.3 ȤǺƩ :**Arsenic** ǸƐǬøÂǒǟ

.ȟ/ÿǟǺȡşǺȮɳ 2 ȡʒ ƐǺÂǺ ɍ Ü(130 ǦĦǺȎǒǟ Û1 ƐŸǑǟ) "Limit test for arsenic ǸƐǬøÂǒǟ ȎǅɉɃƐΣǟ øǺǬȕɼǟ"

[illegible]

[illegible] 1 [illegible] 10 [illegible] **Bromides and iodides** [illegible] TS [illegible]

[illegible] (~80) [illegible] 1 [illegible] 10 [illegible] **Free bromine and chlorine** [illegible] 1 TS [illegible]

[illegible] TS (50) [illegible] 5 [illegible] 5 [illegible] 3 [illegible] **Sulfites** [illegible] (0.05) [illegible]

[illegible] R [illegible] 40 [illegible] 20 [illegible] **Sulfates** [illegible] 20 [illegible] 20 [illegible] (125 [illegible] 1 [illegible]) "Limit test for sulfates

[illegible] 10 [illegible] **Residue on ignition** ([illegible]) [illegible] 0.1 [illegible]

20 [illegible] 1.5 [illegible] **Assay** [illegible] TS [illegible] VS (1) [illegible] HCl [illegible] 36.46 [illegible] VS (1) [illegible] 1 [illegible]

Acidum hydrochloricum dilutum

Dilute hydrochloric acid [illegible]

[illegible] **Description** [illegible]

[illegible] **Category** [illegible]

[illegible] **Storage** [illegible]

REQUIREMENTS [illegible]

[illegible] 9.5% *m/m* [illegible] 10.5% *m/m* HCl.

Identity testes [illegible]

A: [illegible].

B: [illegible] 0.5 [illegible] "General identification tests" [illegible] (121 [illegible] 1 [illegible]).

Mass density [illegible]: 1.043- 1.049 [illegible] = ρ_{20}.

Heavy metals [illegible] 4 [illegible] 2 [illegible] PbTS (~60 [illegible]) [illegible] 4 [illegible] "Limit test for heavy metals" [illegible] A [illegible] (128 [illegible] 1 [illegible]) [illegible] 5 [illegible].

Arsenic [illegible]: 17 [illegible] 20 [illegible] 2 [illegible] "Limit test for arsenic" [illegible] (130 [illegible] 1 [illegible]) [illegible] 5 [illegible].

Bromides and iodides [illegible]: 10 [illegible] 1 [illegible] TS [illegible].

Free Barium and chlorine [illegible]: 10 [illegible] 1 [illegible] TS (80 [illegible]) [illegible] 1 [illegible].

Sulfites [illegible]: 3 [illegible] 5 [illegible] 5 [illegible] TS (50 [illegible]) [illegible] VS (0.05 [illegible]) [illegible].

Sulfates [illegible]: 90 [illegible] 40 [illegible] R [illegible] 20 [illegible] "Limit test for sulfates" [illegible] (125 [illegible] 1 [illegible]) [illegible] 5 [illegible].

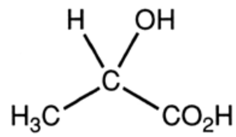
Residue on ignition [illegible]: 10 [illegible] 0.1 [illegible].

Assay [illegible]: 2 [illegible] 20 [illegible] (1 [illegible])

[illegible] TS [illegible] VS.
[illegible] 1 [illegible] (1 [illegible]) VS [illegible] 36.46 [illegible] HCl.

Acidum lactium

Lactic acid [illegible]



$C_3H_6O_3$

[illegible] **:Composition** [illegible]

[illegible] **:Relative molecular mass** 90.08.

[illegible] **:Chemical name**

Lactic acid; 2-hydroxypropanoic acid; CAS Reg. No. 50-21-5.

[illegible] **:Description** [illegible] syrupy [illegible] caustic [illegible]

[illegible] **:Miscibility** [illegible] (~750 [illegible]) TS [illegible] R [illegible] R.

[illegible] **:Category** [illegible]

[illegible] **:Storage** [illegible]

[illegible] **:Additional information** [illegible] (*RS*) [illegible] (+)-(*S*) [illegible]

[illegible] **:Additional requirements** [illegible] 88.0% *m/m* [illegible] 92.0% *m/m* [illegible] $C_3H_6O_3$.

[illegible] 0.5 [illegible] TS1 [illegible] 1 [illegible] 5 [illegible] 5 [illegible] :A [illegible] TS (~100) [illegible] 2 [illegible] 4 [illegible] TS (~100) [illegible] R [illegible] 10 [illegible] 30 [illegible] TS (~260) [illegible] 1 [illegible].

[illegible] 1 [illegible] 9 [illegible] R [illegible] :B

[illegible] d_{20}^{20}=1.20-1.21 :C

Heavy metals [illegible] 1.0 [illegible] "Limit test for heavy metals [illegible] 1 [illegible] (127 [illegible] A [illegible] (128 [illegible] 10 [illegible].

Iron [illegible] 1.0 [illegible] "Limit test for iron [illegible] (129 [illegible] 40 [illegible].

Calcium [illegible] 42 [illegible] 5 [illegible] (1 [illegible]) VS [illegible] 50 [illegible] 5 [illegible] 15 [illegible].

[illegible] 0.2 [illegible] (100 [illegible] Ca [illegible]) TS [illegible] 1 [illegible] 15 TS (~60) [illegible] 1 [illegible] TS (50) [illegible] 10 [illegible] 15 [illegible] (10 [illegible]) TS 5 [illegible] (200 [illegible]).

Chlorides [illegible] 0.1 [illegible] 10 [illegible] TS (~130) [illegible] TS (40) [illegible].

Sulfates [illegible] 25 [illegible] "Limit test for sulfates [illegible] 1 [illegible] (125 [illegible] 200 [illegible].

ÀȒǂā ȯƹǂā ȸ Ȫ 1 Бǚ :**Sugars and other reducing substances** ǦǒÂǪǺƫā ʔÀǹɉā ǻāƹƫāȘ ÀǑȦȮÊǒā ÛǻƎƖ ÛɈȦƸȢǒā ʔøǪǵ ȸǺÊƖ ÛVS (Ȫ/ȯƹ 1) ǬƖøƹƳǑȘøǼƮā Ȑƿ ȸ Ȫ 1 ȣȦȒƖ "ƴƹǮÊǒȦȮǒā" øȦǪǹā ǬǅƹɈ TS ǬƖƎǑ – ƹǮèȦǩƹǦǒā ǧāȦùȦù ȸ Ȫ 2Ș VS (ȯ/ȯƹ 1) ƴƹƖǻƹÔǒā ǼǮÊǑȘøǼǮȽ ȸ Ȫ 1.5 ȣȦȒƖȘ .ǥȦȒƯ Șǚ ǒāȦƿ ǦǣȦèø ǰǪǨ ɍ ǕɈȦƸȢǒā ʔøǪǵ ȸǺÊƖ .(potassio-cupric tartrate)

°ƴ50 ǦǅƹøǼǣ ǦǮǅȦǅǟ ǥǻāǼè ǧāǣ ǦƳǅƹǵ Ž øǾǕ ȟ5 ȸǺÊƖ :**Volatile fatty acids** ǥøȦǮÛǒā ǦǮȽǼǒā ȏƹƫƩā .ǦȦǮȟȒǒā ǦǮȽǼǒā ȏƹƫȞƳǒ ǦǑøǼƫā ǬƳǨ ȼǦȊǨ ǦƮȦǑ ǦȞǝāø ǦȦǚ ǑøǼǨ ɍ ǦƳǅƹƩā ǴǪƹ ʔǼǑ ǛȨǝȦȩǻ 10 ǥǼȠ

Ȫ 10 ȣȦȒƖȘ ǥȦȞǬȠ ǦƖǝāǻ ǦƳǅƹǵ Ž ȟ2 ȝȓƹƖ :**Methanol and methyl esters** ǬǮǯǮƫā ǧāȦǪèǚȘ ȯƹȦǯǮƫā ÛTS (ȯ/ȟ400~) ƴƹǮèȦǩƹǦǒā ǼǮÊǑȘøǼǮȽ ȸ 22.5 ȝȠ ǒȦƫā ȸ Ȫ 7.5 ǰƖȦȠ øǾǕ ȣȦȒƖ ÛǼǮƳƨā Ž ǻƎƖ .ǒȦƫā ȸ ȦǮǪȞè ǦǅøǼȠ ǦƳǅƹǵ Ž ǥøȦÛǒā ȝƫθ .øȦǺǦǒā ȦǕǑƖȘ ƎèȦȠ ȤǯȮȠ Бǚ ǑǒƹǨ .ǦǑǮȩǻ 15-10 ǥǼȠ ǼǮƳƨā Ž ǻƎƖȘ .Ȫ 9.5 ȸȝ ǑǑƖ ɍ ǈǅǵ ʔƳȝ ȯƹÔƩā ʔøǪǵ ȦǕǑƖȘ TS (ȯ/ȟ750~) ȯƹȦǯƖq ȸ Ȫ 1 ʔƳȝ ȸƹǪƠ Ȫ 10 15 ǼȞǣ .ǯÂƹȘ TS ǬƖøƹȦÊȦǒā Ȑƿ/ƴƹǮèȦǩƹǦǒā ǧȦǿȦȣȦȠǨǣ ȸ Ȫ 5 ȣȦȒƖ Ȫ 1 БǚȘ ǒȦƫȦǣ Ȫ 10 Бǚ ȤȦƩ ǨǼȝ ȯƹǂā ǴǦÔƖ ʔøǪǵ ǶǅȦǅǟ ǼǮȒǑǣ ǑȦƷ ÛTS ǬƖøƹȦƳÊǒā Ȑƿ/ǬǮǒȦÊǑȘɉā Ȑƿ ȸ Ȫ 2 ȣȦȒƖ ǦǑǮȩǻ ȯƹǂā ȸ ȦǵƹƳǨ ǼìǕ ȯƹǂā ɈƹȮƖ ɍ .ǦȝȦè 2 ȦǑǪÊǼǒ ǑȦǪƖ ÛɈƹƳǒā ȯǒȦȠ ƙÊǑƹȦǒā ȸ Ȫ 5 ȣȦȒƖ Ż ÛɈƹƳǒā 0.1Ș R ȯƹȦǯǮƫā ȸ ƴǒȦȡȘȦȮȠ 100 ʔƳȝ ȻƹǪȜ ȯƹƳȚ ȸ Ȫ 1.0 ƴǒǼǺǪèȦǣ ȸȮǒȘ ÛǬǪȦư ƹǙ ʔƳȝ ȦȒǂā ǶǨǅȦƫā .ǥøȦÛǑǒā ȸ ɍǼǣ (ȯƹȦǯǮƫā ȸ ȟ/ƴǒȦȡȘȦȮȠ 500) ȦǪǒ ǶƳǮƫā Ž TS (ȯ/ȟ750~) ȯƹȦǯƖq ȸ Ȫ

:**Citric,oxalic,phosphoric,and tartaric acid** ǬƖȦùȦÛǒāȘ ǬƖøƹȦèƹȦǒāȘ ǬǮǒȦÊǑɉāȘ ǬƖȦǪǮÊǒā Ȑƿ .ȦȮȝ ǰǪƖ ɍ ǕƙǪǑǮȩǻ ǥǼȠ ʔƳȢƖȘ TS ƴƹǮÊǒȦȮǒā ǼǮÊǑȘøǼǮȽ ȸ Ȫ 40 ȣȦȒƖ ǒȦƫā ȸ Ȫ 10 Ž ǟāøȠ ȟ1 Бǚ

25 øǣ ɈøȦǑƖȘ R ƘǪɉā ȸ Ȫ 25 Ž ȟ1 ǟāøƖ :**Ether-insoluble substances** ƘǪɉā Ž ǦǣāȘøǒā Ƙȡ ǻāƹƫā .ȼÊȦǫ ǒȦȦÔǒȦǣ ɈȦǫƹȮƖ ƙȯƹǂā ƳǑ :R ƘǪɉā ȸ Ȫ

ƹȽ ȦȝǑ ɈøȦǑƖ ȦȠǼȦȝ Yw2 ȸøȦǮȞƫā ɈƹƳǒā ȯƹƳȚ ȸ ȦǵƹƳǨ ȦǯǑǚ ǬǮǪǑƳǒā Ȑƿ ɈƹȮƖ ɍ :**Colour** ɈƹƳǒā .(53 ǦȞȦÔǒā Û1 ǼƳǑā) "Colour of liquids ǬǒāƹÊǒā ɈƹǑ" ɈāƹȦȝ ǨƠ ȣƹǑƹȠ

.ȟ/ȠƳȠ 1.0 ȸȝ ǼƖȦÂȦ ɍ :**Sulfated ash** ǨȦƳÊƫā ǻȦȠȦǒā

20Ș ǒȦȠ Ȫ 10 ȣȦȒƖȘ ÛǦǮǅȦǅǟ ǥǻāǼè ǧāǣ ǦƳǅƹǵ Ž ÛǦǮùƹǦȒȠ ǦǪȘàƹȠ Ûȟ1 ǦǣāȦȩ ȝȓƹƖ :**Assay** ǦÊƖȦǑƫā ǥȦƖȦȞƫā ǻȦȞǨ .ǦǑǮȩǻ 30 ǥǼȠ ȦǑǪÊǼǒ ǑȦǪǨȘ ǦƳǅƹƩā ǼÊǨ .VS (ȯ/ȯƹ 1) ƴƹƖǻƹÔǒā ǼǮÊǑȘøǼǮȽ ȸ Ȫ .ȦȞȊȝǑ TS ȯƹȦǯƖq/ƙȦǒȦǯƹ ȯƹǼȦǒā ȸ Ȫ 0.5 ƴǒǼǺǪèȦǣ ÛVS (ȯ/ȯƹ 1) ƴƹƖǻƹÔǒā ǼǮÊǑȘøǼǮǑ .$C_3H_6O_3$ ȸ ȠƳȠ 90.08 ùƹȦǑƖ VS (ȯ/ȯƹ 1) ƴƹƖǻƹÔǒā ǼǮÊǑȘøǼǮȽ ȸ Ȫ 1 ǑǑ

[illegible]

Additional requirements for lactic acid for parenteral use

[illegible] (56 [illegible] 4 [illegible]) Paranteral prepasations [illegible]

[illegible] :**Bacterial endotoxins** [illegible]

[illegible] (30 [illegible] 5 [illegible]) "Test for bacterial endotoxins [illegible]

[illegible] RS [illegible] 83.3 [illegible]

Adeps lanae

Wool fat [illegible]

Adeps lanae cum aqua

Hydrous wool fat [illegible]

[illegible] :**Composition** [illegible]

(*Ovis aries* L.).

[illegible] *m/m*%25 [illegible] *m/m* %75 [illegible]

:**Chemical name** [illegible]

Lanolin; CAS Reg. No. 8020-84-6.

[illegible] :**Other name** [illegible]

[illegible]

[illegible] unctuous mass [illegible] :**Description** [illegible]

[illegible]

[illegible] :**Solubility** [illegible]

TS [illegible] 750~ [illegible]

[illegible] :**Category** [illegible]

[illegible] 25° [illegible] :**Storage** [illegible]

ÛǅǤÀǓ ǅǄǄǣǚ ǅǄǄǣǚ ÀÀǒǓ ǇǔǓǚ óǀƮÔţ ȣƺÔ ȸŁǻ ȷƺÒ‌ :**Additional information** ǦǄǻȓǓ ğǻƞƺǛȟ
ǦǛǪō ǰǪǩ ÛǢǺǪ ǢǐǪ ǗǦǛÒÎǪţ ǦǺÀÎ ǦǑÀƭǰŝ ÛǑÀţ ǕƙǪǬǓ ƂǓ ǑǢǦ Ž ƲǻÀţ ȣƺÔ ȸŁǻ ŌÔÀÀ ƙǺÊǪǻ
ȣƺÔ ȸŁǻş ȣƺÔ ȸŁǻ ŌǄǅɉ (23 ǦǄǻÔ Û1 ǢǛǑ) óǻƮÔǪɍ ǦÛŌǪ .ğǻÀÔƞ tenacious ǦÒÊƭǪƞ ğƺǹó
.°ÿ44-36 Û("ȣƺÔ ȸŁǻ ʡƺǪŢ" ȸƞ ǦǑƭǰ ÿǢǺǪÊǩ) ƷǅǄǪ ǢǐǪ ÛƲǻţ

REQUIREMENTS ƘǦǗƱǩǆ!ƒ

Identity tests ǶǏǋǌǇǈ ǀ ɛþƑǦǏɛ

ȐƥÞ ȸƞ Ōƞ 0.1ş R ŌǪÈɉ ǢǺǢǄǢǓ ȸƞ Ōƞ 1 ȣǻȒ‌ş R ÿǿƺƺşǿƺǛÒ ȸƞ Ōƞ 5 Ž ȟ0.5 ǡǻǾ :A
.ÀȒǹǓ ɉƺ ǰǪǺ Û TS (ȯ/ȟ1760~) ŌǾǿƺǻǛÊ

ÛǦǺǻǺǐǺ ǦǦōÀƞ TS (ȯ/ȟ1760~) ŌǾǿƺǻǛÊ ȐƥÞ ȸƞ Ōƞ 5ş R ÿǿƺƺşǿƺǛÒ ȸƞ Ōƞ 5 Ž ȟ0.5 ǡǻǾ :B
.ƙȯƺǛǶƭǛ ƲøǢǦ ǴÛÊ Ž ǦǐǗǻÈ ǑǻÀþ ǦǺǺ ǦǑǛǵ ǅǅǿǢǩ ŌÒÎǪǩ

ɍ ÛƲǻţ ȣƺÔ ȸŁǻ Û1.0 ȸȝ ǢǺǺǩ ɍ Ûȣƺ Ô ȸŁǻ .(150 ǦǄǻÔ Û1 ǢǛǑ) :**Acid value** ȐƭΣ ǦƭǛȩ
.0.8 ȸȝ ǢǺǺǩ

Ûȣƺ Ô ȸŁǻ Ûğǻȝǻè 4 ğǢƞ ƲȝƺǄǿ ɉǺǺǄ Û(149 ǦǄǻÔ Û1 ǢǛǑ) :**Saponification value** ƏÔǪ ǦƭǛȩ
.79-67 ÛƲǻţ ȣƺÔ ȸŁǻ Û105-90

1.0 ȸȝ ǢǺǺǺ ɍ ÛƲǻţ ȣƺÔ ȸŁǻ Ûȟ/ƞǛƞ 1.5 ȸȝ ǢǺǺǺ ɍ Ûȣƺ Ô ȸŁǻ :**Sulfated ash** ǨǺǛÊţ ǻǻƞǺ
.ȟ/ƞǛƞ

ǺǰōǓ ȣƺÔ ȸŁǻ ǢŌƺ ɉƺÒǺ ɍ ÛğǢǵş ǦȝǻÈ ğǢƞ °ÿ105 ǦǄǿǢǺ ƷǻƵ :**Loss on drying** ƷǅǄǪǻ ǢŌǺ
.ȟ/ȟ 0.32 ȸƞ ǺǰōǓ ƲǻţȣƺÔ ȸŁǻ ǢŌƺ ɉƺÒǺ ɍş Ûȟ/ƞǛƞ 5.0 ȸƞ

ōǺȜ ÛƲǻƞ ÿǻþ Ž ǦǪǻǫ ǦǛǪō ƂǓ ȣƺÔ ȸŁǻ ȸƞ ȟ30 ȸǺÊǺ :**Wool fat content** ȣƺÔ ȸŁǻ ʡƺǪŢ
ÎǻÔǪƞ ǦǐÈ" ŌǄǅɉ ǦǑƭǰ ȘǺǶǰ) .(*m/m*%77.5-72.5) ȟ23.3ş ȟ21.5 ƙǻ ƲŌǦǪţ ɉàƺ ǆşǻǺǪǺ Ûɉàƺş ÛǅǪǻǵǓ
Additional ǦǄǻȓǪ ğǻƞƺǛţ" Ž óǻƮÔǪɍ ǦÛŌǪş "Paraffins ğǻǄƺǿǻǦ"ş "Water-absorption capacity ǒǻţ
.("information

ǢǐǺ ƲǻţȣƺÔ ȸŁǻ şǓ ȣƺÔ ȸŁǻ ȸƞ Ōƞ 10 ȝȓƺǺ :**Water-absorption capacity** ǒǻţ ÎǻÔǪƞ ǦǐÈ
0.5-0.2 ǒǺǄǓ Ž ǒǻţ ȣǻȒ ÛǦǵǻǶè ÿǻǺǪÈǻ .ɉşǻŁ Ž ("ȣƺÔ ȸŁǻ ʡƺǪŢ" ȸƞ ǦǑƭǰ ÿǢǺǪÊǩ) ƷǅǄǪ
ŌŌǺ ɍ ÛÒǪǪ ɉǓ ȸÒƺ ɍş ǢǄǅ ğƘȣǒ ğǻƘÛȩ ȯǻÔǻǪ ȘǵƳǺ ɁøǪǵ ÛǒǻţǰƞǢǢǒ ǦƺǻȓǓ Ōō ǢǐǺ ğƺŌǺ ōǺȜ ÛŌƞ
.Ōƞ 20 ȸȝ ÒǪƭţ ǒǻţ

[illegible] 5 [illegible] :**Water-soluble acid and alkaline substances** [illegible] 95-90 [illegible] 75 [illegible] 6.7 [illegible] 60 [illegible] 0.02) [illegible] 0.2 [illegible] 0.25 [illegible] TS [illegible] 0.02) [illegible] 0.15 [illegible] VS [illegible]

[illegible] 10 [illegible] :**Water-soluble oxidizable substances** [illegible] 0.1 [illegible] TS [illegible] 100~) [illegible] 1 [illegible] 10 [illegible] VS [illegible] 0.02) [illegible]

[illegible] 0.5 [illegible] R [illegible] 40 [illegible] :**Paraffins** [illegible]

[illegible] 0.5 [illegible] 5 [illegible] :**Ammonia** [illegible] VS [illegible] 1) [illegible]

Adeps solidus

Hard fat [illegible]

[illegible] :**Composition** [illegible] .($C_{18}H_{36}O_2$ [illegible] $C_{10}H_{20}O_2$) [illegible]

[illegible] :**Chemical name** [illegible]

[illegible] brittle [illegible] :**Description** [illegible]

[illegible] 750~) [illegible] :**Solubility** [illegible] .TS

[illegible] :**Category** [illegible]

[illegible] :**Storage** [illegible]

.ǿẢƬÔφɍā ȯẢƒ ǨƠ °ÿ5 ȁşẢDzϘǩ ɍ ģǿāẢǵ ǦDZǿá

ẢẢȍǗ şǗ ȷ ʐŸöā ƇǼȝ ŌəẢè ƂǗ ǼŸÔöā ȸŁǼöā ẢƬÔẢẢ ŏȣǼöā Ž :**Additional information** ĈǦƑʐẢȑǗ ǧẢȵʐŸȞȵ

.ȒƑǝǗ ǼŸȞϘÊȵ ŌȮ ÎϘẢ ÛöẢƫā ȸȵ ǦöáẢȞȵ ǦƑȶȭ ȝȵ ģẢƬÔẢƫā ģáẢƫā ǯẢǩ ẢȵǼẢȝ .ǨŁẢæ

.ẢǼƑƑǬǩ ẢǯȭǗ ǧẢẢȍāʐȵ ǦƑǦŸǩ ɃǿşẢȒöā ȸȵ ȷ ʐȮẢ ǼȩÛģáǼƮ ǧẢŌƑǦÛǩ ŌDZǗ ȸȵ :ǦȚǵ¥ȵ

REQUIREMENTS ƘǦħŀǾƙdž!ƒ

ÜǦȝẢè 24 ģǼȵ °ÿ10 ȸȵ ŌęǗ ģǿāẢǵ ǦDZǿǼæ ȷ ʐȞÎƫā āʐǦφɉā áƎẢ .(23 ǦȞẢÔöā Û1 ǼŸǑā) :ǿẢƬÔφɍā ȯẢƒ

.°ÿ40-33

.0.5 ȸȝ ǼẢÂǩ ɍ .(150 ǦȞẢÔöā Û1 ǼŸǑā) :**Acid value** ȒŧΣā ǦŧƑę

.50 ȸȝ ǼẢÂǩ ɍ .(B ǦŌẢÛöā Û44 ǦȞẢÔöā Û4 ǼŸǑā ẢȚφā) :**Hydroxyl value** ŌƑÊõşǿǼƑTā ǦŧƑę

.3 ȸȝ ǼẢÂǩ ɍ (148 ǦȞẢÔöā Û1 ǼŸǑā) :**Iodine value** áʐƑöā ǦŧƑę

.6 ȸȝ ǼẢÂǩ ɍ (148 ǦȞẢÔöā Û1 ǼŸǑā) :**Peroxide value** ǼƑÊõşƘǦöā ǦŧƑę

.250-220 Üȟ2 ÿǼǺϘÊẢ (149 ǦȞẢÔöā Û1 ǼŸǑā) :**Saponification value** ƏÔϘöā ǦŧƑę

ȸȝ ǼẢÂǩ ɍ Üȟ5 ÿǼǺϘÊẢ .(149 ǦȞẢÔöā Û1 ǼŸǑā) :**Unsaponifiable matter** ƏÔϘŸõ ǦŸæẢŌöā Ƙȡ ģáẢƫā

.%1.0

.ȟ/ȠŸȵ 0.5 ȸȝ ǼẢÂẢ ɍ .(173 ǦȞẢÔöā Û1 ǼŸǑā) :**Ash** áẢȵẢöā

Ōȵ 3ş TS (ȯ/ȟ750~) ȯʐφẢǯẢɋā ȸȵ Ōȵ 1.5 ȸȵ ǰẢÂȵ Ž ȟ2 āāǾẢ :**Alkaline impurities** ǦẢʐŸŌöā ǼəāʐÎöā

Ȓƥ ȸȵ Ōȵ 0.15 ȸȵ ẢǯõǗ ǼŸÛϘẢ ɍ ÜTS ȯʐφẢǯẢɋā/ȯʐƑʐʐȵşƎöā ǦęǿāẢ ȸȵ Ōȵ 0.05 ȣẢȒẢ .R Ƙǭɉā ȸȵ

.ẢẢȍɉā ƂǗ ȯʐŸƚā ȷ ʐǾ ŌẢǼǦǭǾ VS (ȯ/ȯʐȵ 0.01) ŌẢǿʐŸõşǿǼƑTā

TS (ȯ/ȟ420~) ŌẢǿʐŸõşǿǼƑTā Ȓƥ ȸȵ Ōȵ 1 ȝȵ ȟ1 ǯẢẢ :**Decomposition products** ŌȮẢϘöā ǧẢDzϘẢȵ

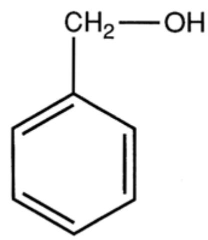
ɍ ÜĘəẢęá 5 ģǼȵ ẢŌϘÊƑǿ õẢϘẢş Ûɉāʐǭ 5 ģǼȵ ǯẢẢ ÛTS ȸẢʐȯʐÛöā/ȯʐƑèşẢẢẢöā ȸȵ Ōȵ 1 ȣẢȒẢ ÛģǼǵāş ǦŌƑęá ģǼȵ

Ōȵ 9.6ş VS (ȯ/ȯʐȵ 0.002) ÿʐƑèẢǩʐǦöā ǧẢφẢȣẢȵƘæ ȸȵ Ōȵ 0.4 ǰẢÂȵ ȸȵ Ōȵ 1 ȸȵ ẢφʑŸǩ ǼȉǗ ǦƑəẢƫā ǦŌǦÛöā ȷ ʐȮǩ

.ǒẢƫā ȸȵ

Alcohol benzylicus

Benzyl alcohol [illegible]



C_7H_8O

.108.1 :**Relative molecular mass** [illegible]

:**Chemical name** [illegible]

Benzyl alcohol; benzenemethanol; CAS Reg. No. 100-51-6.

[illegible] :**Description** [illegible]

[illegible] TS (~750) [illegible] :**Solubility** [illegible]

.[illegible] :**Category** [illegible]

.[illegible] :**Storage** [illegible]

[illegible] :**Additional information** [illegible]

REQUIREMENTS [illegible]

Identity test [illegible]

[illegible] 1 [illegible] TS (25) [illegible] 5 [illegible] 3-2 [illegible] TS (~100) [illegible]

$n_D^{20} = 1.538\text{-}1.541$:**Refractive index** [illegible]

$d_{20}^{20} = 1.043\text{-}1.050$:**Relative densitz** [illegible]

.ÆÆzÅȍ ȯzŸǂã ȷzȮÅ ÜöÅɳ Ōɳ 60 Ʒɳ Ōɳ 2 ŗǯÀÅ :**Colour of solution** ȯzŸǂã ȷzǒ

ȡƷ ÆÅÂÅ ƒ ÜǦǪǣÅǭ ǦŸǪȭ ʔøǪǵ (ŌȞÎÅ) ÆɳÀÅş ȣÂǹ ǦŌǩzǣ ȡɳ Ōɳ 10 ÀǻǺǦÅ :**Sulfated ash** ǨÅŸÊţã åÅɳÀöã .ȟ/ȠŸɳ 0.05

ȯzǫÅǯÅqã/ƙÅöÅǯz ȯzÆÆÅöã ȡɳ Ōɳ 1ş TS (ȯ/ȟ750~) ȯzǫÅǯÅqã ȡɳ Ōɳ 10 ȣÅȒÅ Ōɳ 10 ƃǗ :**Acidity** ǦȑzȶƩã ʔŸƷ ȯzÔȞŸö VS (ȯ/ȯzɳ 0.1) ǧÅǫzǣÀȮöã ȡɳ ƃÅʅã ȳzÅåzÔöã ÆÆÊȭşøÆȽ ȡɳ Ōɳ 1 ȡɳ ÀǯȭǗ ÆŸÛǪÅ ƒ ÜTS .(ɄŸÅǫÀę) ÀȞÎȶŸö ʔÛȅzöã ǦÛŌÅöã

.5 ȡƷ ÆÅÂǩ ƒ :ÆÆÊȭşƘǦöã ǦȶÆę

ǦŸǅzǵ ȳãÆǺǪȅÅǣ R ɄŸÆɳȷã ȯzȞȮöã ȡɳ Ōɳ 50 Ʒɳ ȟ2 ǯÂȥ :**Chlorinated copounds** ǥøzŸȮţã ǧÅǦȭÀţã ŌȶȞÅ ƵǯȮɳ ʔŸƷ ǦŸǅzƩã Ōȍzǩ Û(øØƩã Ʒɳ ƷǣÅǪÅ :ǦŢǵŸɳ) R ȳzÅåzÔöã ȡɳ ȟ3 ǥƘȣȍ ǧÅÆȶȮǣ ȣÅȒÅ ÛǦzÅǅ åƎÅ ÛǥÆǵãş ǦƷÅȅ ǥÆɳ ƵÛŸǣ ʔŸȣÅş ÛȧŸÛǫƒã ȡƷ ƙǅşøÆƮã ƵęzǪÅ ʔøǪǵ ƵÛŸǣ üzÆÅ ÛɄƷzǅÀöã ȷÅÅÀƨã ȡɳ Ōɳ 20ş VS (ȯ/ȯzɳ 0.1) ǦȒÅöã ǧãÀǪǫ ȡɳ Ōɳ 5ş ȍÅɳ Ōɳ 50 ȣÅȒÅş °ȳ100 ǦǅøÆöã ǨƠ ʔøǪǵ ŌəÅÊöã ȳãÆǺǪȅÅǣ ÛVS (ȯ/ȯzɳ 0.1) ȳzÆǫzɳȷã ǧÅǫÅÆȅzÆǯǣ ǦȒÅöã ǧãÀǪǫ ȡɳ ÆÅÂöã ÀÅÅȞÅ .TS (ȯ/ȟ1000~) ȭÅÀǪÅöã Ȑþ ǦÅǗ ʔÀƟş ȋzȞÅţã ɄŸÅÂøÅǦöã ȯzȞȮöã ȷşǻ ȍãÀǅzqã åÅȞÅ .ÀȞÎȶȭ TS (ȯ/ȟ45) ȭÅƘÅöã ȳzÆǫzɳǗ ǧÅÅŸȅ .Ōɳ 0.3 ƙǨÀÅÅȞţã ƙǣ ȧøÅÅöã àşÅǅzǪÅ ƒ .ǦÅøşÀȑ ǧÅȞÆȞÔǩ

ʔŸƷ ɃzǪƠ Ōɳ 250 ÅƮǪȞȅ ǦÆùşÀƯ ǦŸǅzǵ ƃǗ ÛǦÆùzǦȒɳ ǦǫşàzɳÛŌɳ 20 ǦãÅÀę ŌȭÅÅ :**Aldehydes** ǧãÆÆȽÆöȷã ÛTS (ȯ/ȟ600~) ȯzǫÅǯÅqã ȡɳ Ōɳ 100 Ž R ƙɳŸÆÊȭşøÆƮã ÆÅøzŸȭşøÆȽ ȡɳ ȟ3.5 ɃzƷ ȯzŸŢ ȡɳ Ōɳ 5 ǦęøàȡɳŌɳ 1 ȣÅȒÅ ÛĘəÅęå 10 ǥÆɳ ÀŌǪÊÆö ȭÀǪÅ .ǯÂȥş ÛTS (ȯ/ȟ600) ȯzǫÅǯÅqã ȡɳ Ōɳ 50 ȣÅȒÅ åÅȞÅ .ǦÅÆÅǹ ȍãÀȒǹ ǦÅÅŒ ǦÛŌǫ ƃǗ VS (ȯ/ȯzɳ 0.1) ȳzÅåzÔöã ÆÆÊȭşøÆȍ ÀÅÅȞÅş ÛTS ȯzǫÅǯÅqã/ȯzÆÆzzɳşƎöã ȡɳ ȭŸƮǪÊţã ŽÅÔöã ǇǅzƩã àşÅǅzǪÅ ƒ .ǦÅøşÀȑ ǧÅȞÆȞÔǩ ǦÅǗ ʔÀƟş ȋzȞÅţã ɄŸÅÂøÅǦöã ȯzȞȮöã ȷşǻ ȍãÀǅzqã àşÅǅzǪÅ ƒ .ÆÆȽÆöǗÂøÅǦöã ȡɳ ȟ/ȠŸɳ 2.0 øǒ ȭǒǣ ĘǣÅÛÅş ÛŌɳ 4.0 VS (ȯ/ȯzɳ 0.1) ȳşåzÔöã ÆÆÊȭşøÆȽ .ÆÆȽÆöǗÂøÅǦöã ȡɳ ȟ/ȠŸɳ 0.5 øǒ ȭǒǣ ĘǣÅÛÅş ÛŌɳ 1.0 ǦÆŌƩã ǧÅŌÆǦÛǪöã Ž ȳÆǺǪÊţã ɄŸÅÂøÅǦöã ȯzȞȮöã ȭŸƮǪȅã

Alcohol cetylicus

Cetyl alcohol [illegible]

$H_3C—[CH_2]_{14}—CH_2—OH$

$C_{16}H_{34}O$

Composition: [illegible] solid [illegible]
1- [illegible] ($C_{16}H_{34}O$).

Chemical name: [illegible]

1-Hexadecanol; CAS Reg. No. 36653-82-4.

Description: [illegible]

Solubility: [illegible] (~750 [illegible]) [illegible] TS [illegible] R.

Category: [illegible]

Storage: [illegible]

REQUIREMENTS [illegible]

Melting range: 46 -51 °[illegible].

Acid value: (150 [illegible] 1 [illegible]). [illegible] 2.

Saponification value: (149 [illegible] 1 [illegible]) [illegible] 2.

Iodine value: (148 [illegible] 1 [illegible]) [illegible] 3.

Hydroxyl value: ([illegible] 4 [illegible] 44 [illegible] A). [illegible] 2 [illegible] 250 [illegible] 2 [illegible] R [illegible] 10 [illegible] R. [illegible] 10 [illegible] 10 [illegible] R [illegible] 90 [illegible] R. [illegible] 65°[illegible] 20 [illegible]. [illegible] 25 [illegible] (1 [illegible]) VS [illegible] 0.5 [illegible] TS [illegible]

.ǦǺǿşÀȑ ğÅĦĦÔǨ ǦǺǕ ʔÀθş î ʐĦǺʈä ɄŸǾÊöä ȯʐĦȮöä ɉşấ ǒäÀǱɋä ấÅĦǺ .ǥǺɫǪÊɳ
56.1 БǕ VS (ȯ/ȯʐɳ 1) ğǺɸʐǣÀȮöä ȸɳ БÅʅä ÿʐǺấʐÔöä ǼǼÊõşǿǼŦ ƙǨÀǺÅĦʈä ƙǣ ÀǪö ɄŸǼʈÅǣ ȧşÀǺöä Ȥʒ ÅȒǪǨ
.238-218 ÜÿäÀ8öÅǣ ǥǿǼÕɳ ǦɳǼǺǪÊʈä ɄŸǾÊöä ȯʐĦȮöä ǦŸǪõ ʔŸʒ ÅǮɳʐÊÕɳş
ɉʐȮǺ ɟş ǼʐÅȍ ȯʐŸǂä ɉʐȮǺ ÜǦÅʐǼǪöÅǣ TS ȯǼǨǪÊʈä ȯʐɸǯǺɋä ȸɳ Ōɳ 20 Ž ȟ0.5 ā äǾǺ :**Paraffin** ƙʐäǿǺǦöä
Colour of Ōǝäʐ Êöä ɉʐö" ɉäʐǺʒ ǨƠ 8ʐȍʐɳ ʐŁ Åɫõ ɉǿÅȬǺ ÅɳǼǺʒ Bn2 ɃǿÅĦʈä ɉʐŸöä ȯʐŸʅ ȸɳ Ǽɩ ǕǕ ȼɸʐŸǨ
.(53 ǦĦÅÔöä Û1 ǼŸǑä) "liquids
.ȟ/ɳŸɳ 1.0 ȸʒ ǼǺÂǺ ɟ :**Sulfated ash** ǨÅŸÊʈä ấÅɳÀöä

Alcohol cetystearylicus

Cetostearyl alcohol Ǐǂĭþĭǂ ƨ ǸǂĭƨǁƐ üǸθǀǁƐ

ǼŸɖǂä ʔŸʒ ɉʐȮǪǺ ǥǼɳÅƨä ǦǼǨÅǺǼöǿä ğɟʐĦȮöä ȸɳ ǰǺÂɳ ʐŁ ɄŸǺƘǪèʐǪǼÊöä ȯʐĦȮöä :**Composition** ǼǼõÀǪöä
.ɄŸǺƘǪÊöä ȯʐĦȮöäş ɄŸǾǪǼÊöä ȯʐĦȮöä ȸɳ

:**Chemical name** ɄǝÅǼɫǼȮöä ɭèɟä

1-Octadecanol mixture with 1-hexadecanol; CAS Reg. No. 67762-27-0.

.ǦÅǼĦȑş ǥÂǼɯ ǦĦǝäÀöä ÜğÅǦǼǦǵ şǕ ǒÅȒǼǣ Ęǝǻɇǿ şǕ ÛǥÀÀÔɳ ǒÅȒǼǣ şǕ ǒÅȒǼǣ ǦǼǺŁá ǦŸǪõ :**Description** Ȥȍʐöä
.R ÿǿʐʐşǿʐŸȮöäş R ƘǪɉäş TS (ȯ/ȟ750~) ȯʐɸǯǺɋä Ž āäşǣ ÜöÅʈä Ž ǼŸɫʒ āäşǣ ɟ :**Solubility** ǦǼɸÅǣşǾöä
.stiffening ÈǦǼǨ ŌɳÅʒ ÜùÛǦɳ ŌɳÅʒ :**Category** ǦÅÅöä
.ǒʐȒöä ȸɳ ʔɫʒ ɉǕş ÛǼǼǼǱ ǦÕŸ8ɳ ǦǺşÅǵ Ž ɄŸǺƘǪèʐǪǼÊöä ȯʐĦȮöä ȘÅǵ Ǽʑ :**Storage** ȸǺÂȀǪöä

REQUIREMENTS ƘǦǝǕƠƙǩǅ!ƒ

.°ÿ53-43 :**Melting range** ǿÅǮÔǪɟä ȯÅƒ
.2 ȸʒ ǼǺÂǨ ɟ .(150 ǦĦÅÔöä Û1 ǼŸǑä) :**Acid value** Ȑɫȟä Ǧɫǿę
.2 ȸʒ ǼǺÂǨ ɟ .(149 ǦĦÅÔöä Û1 ǼŸǑä) :**Saponification value** ƏÔǪöä Ǧɫǿę
.4 ȸʒ ǼǺÂǨ ɟ .(148 ǦĦÅÔöä Û1 ǼŸǑä) :**Iodine value** ấʐǼöä Ǧɫǿę
ğäǣ ǦŸǱʐǵ Ž ȟ 2.0 ʒȑʐǺ .(A ǦŌǺÀÛöä Û44 ǦĦÅÔöä Û4 ǼŸǑä ÀȚɸä) :**Hydroxyl value** ŌǼÊõşǿǼŦä Ǧɫǿę

10 ǰ ÂƫǠ ǠØŁ БǛ ȣ ǺȒ .R ȸǿǭǿǭŪǠ ȸŋ Ōŋ 10ş R ȸǼȹǢ ȸŋ Ōŋ 2 ȣ ǺȒş ŪŌŋ 250 ǺŦǪȞè ǦDZǺDZǠ ģǡǻǺè Ōǹǽǩ .R ȸǿǭǿǭŪǠ ȸŋ Ōŋ 90 БǛ R ŌǪè ɉǠ ǼøǭȲõ ȸŋ Ōŋ 10 ǦǭǺȓǠ ÀȒǂǠ ŌǪè ɉǠ ǼøǭȲõ ȯǭȲƮ ȸŋ Ōŋ ŪǦȲDZǭΣǠ ǼÊǩ ŪȯǺƫǠ ȸŋ Ōŋ 25 ȣ ǺȒ .ǦŌęǻ 20 ģǼŋ °ȳ65 ǦDZøǼ ɄǝǺŋ ȳǺþ Ž ȸǺÊş ŪǦȲDZǭΣǠ Ž ģǡǼÊǠ ǼǩÀǪȯǺ ģÀǺȞƫǠ ȯǠǭǜ ģǭŌ ǦȲDZǭΣǠ ǯǭǾø ǒǺǪǛ ÀǺȞ .ŌǪè ɉǠ ǼøǭȲõ Ǽǜ ÕȮǺǪ ɁøǪǵ ģǼǿʒ ĘǝǺęǼ ģǭŌ ǯÀƚş ȳǠǼǺǪèǺ ŪVS (ȯ/ȯǭŋ 1) ğǺǭǠÀȮǠ ȸŋ БǺʅǠ ȳǭǻǭÔǠ ǼÊõşøǼȯ ǡɎɄǪèɼǠ ǦǠǵ Ž ğǺǭǪǂǠ ɁȲʒ ûǺǺɄȲ ȯǭɄȮǠ ɉşǼ ǒǠDZɋǠ ǻǺȞ .ģÀƭǪÊŋ ǦǼȲǺǪÀȩ ǦǺŒ ǦŪŌǪ ɁøǪǵ ŪÀȞÎƭõ TS ȯǭǪǯɋǠ/ƙǺǒǯǭ ȯǭǼÀǠ ȸŋ Ōŋ 0.5 .ǦǼøşÀȓ ğǺɄǪɄÔǩ ǦǛ ʔÀθş î ǭɄǺƫǠ ɄȲǢǪèǭǪÊǠ

56.1 БǛ VS (ȯ/ȯǭŋ 1) ğǺǭǠÀȮǠ ȸŋ БǺʅǠ ȳǭǻǭÔǠ ǼÊõşøǼƮ ƙǩÀǺȞŋ ƙǠ ÀǪǒ ɄȲƫǺ ȧøǺÀǠ Ʒʒ ǺȒǪ .228-208 ÜȳǠÀȣǠǺ ģøǼŌŋ ǦŋǼǺǪÊƫǠ ɄȲǺǪèǭǪÊǠ ȯǭɄȮǠ ǦȲǪõ ɁȲʒ ǺŦŋǭÊŌŋş

ȷǭȮǺ ɍş ǺǭǺȍ ȯǭȲǂǠ ȷǭȮǺ ÜǦǺǭǼǪǠǺ ȯǼȞǪÊƫǠ TS ȯǭǪǯɋǠ ȸŋ Ōŋ 20 Ž ȟ0.5 ǡǠØǺ :**Paraffin** ƙǭǠøǺǦǠ ŌǠǭÊǠ ȷǭǒ" ȷǠǭʒ ǨƠ ȣǭȍǭŋ ǭŁ ǺƭõǺ ȷøǺŌǺ ǺŋǼʒ Bn2 ɃøǺȞƫǠ ȷǭȲǠ ȯǭȲƮ ȷǭȲǩ ȸŋ ģǼȉ ÀǯõǛ ȼǭȲǩ .(53 ǦɄǺÔǠ Ū1 ǼȲŎǠ) "Colour of liquids

.ȟ/ŋȲŋ 1.0 ȸʒ ǼÂǺ ɍ :**Sulfated ash** ǨǺȲÊƫǠ ǻǺŋÀǠ

Alcoholum

Alcohol üǋθǁǁɛ

.ģÂɯ ǦɄǝǠÀǠ ÜȷǭȲǠ ƇǼʒş ȣǺȍ õÀɄǪŋ ŌǝǺè :**Description** Ʒȍǭǡ

.R ȯşƘÊȲȣǠş R ƘǪɉǠş R ȳøǭǭşøǭȲȮǠş ǒǺƫǠ Ž ǯşÂŋ :**Miscibility** ǦDZşÂƫǠ

.ÀŦŪŋ ÜǼǺØŋ :**Category** ǦǺÀǠ

8 ƙǠ ȡşǠÀǪǩ ģøǠÀǵ ǦDZøǻ Ž ȸȮŋǛ Ǻŋ ȷÂƩ ȷǛş ŪǼǼDZ ǦŌȲȣŋ ǦǜşǺǵ Ž ȯǭɄȮǠ ŞǺǵ Ǣʑ :**Storage** ȸÂǺǪǠ .°ȳ15ş

.ȯǭɄȮǠ ɃǭǪƠ ɄøǪǠ ǦǜşǺΣǠ ɁȲʒ *v/v* % ȯǭɄȮǠ ǦǦÊǪ ȷǺǼ Ǣʑ :**Labelling** ǈèǭǪǠ

ǒǺƫǠş ȯǭɄȮǠ ȸŋ ǦǺȲǪƯ ǺǼõǠÀǩ *v/v* %96 ȯǭɄȮǠ ȸŋ ÀȒƠ :**Additional information** ǦǭǺȓǛ ğǺŋǭȲȞŋ .°ȳ20 ģøǠÀǵ ǦDZøǼ

.ǒǺƫǠ ȯǭɄȮǠ ǯÂŋ ʔǼǒ ǫǼʒ ģøǠÀΣǠ ȼǻǺǺǠş ǈDzΣǠ ȇǺƭȮǠ :ǦȚǵɄŋ

1000 [illegible] v/v % 96 [illegible]	[illegible]	[illegible]	
	d_{20}^{20}	% v/v	[illegible]
934	0.8304	701.4	90
831	0.8610	625.3	80
727	0.8872	561.8	70
623	0.9109	488.0	60
519	0.9320	404.6	50
468	0.9412	341.3	45
259	0.9699	209.0	25
207	0.9754	163.8	20

REQUIREMENTS [illegible]

v/v %102.0 [illegible] v/v %98.0 [illegible] (C_2H_6O) [illegible]

Identity testes [illegible]

A: [illegible] 0.25 [illegible] 1 [illegible] TS [illegible] 0.5 [illegible] (0.5 [illegible]) VS [illegible] 0.1 [illegible] 0.5 [illegible] 5 [illegible]

B: [illegible] 1 [illegible] TS (~1760 [illegible]) [illegible] TS (100 [illegible]) [illegible]

[illegible] **Relative density**: [illegible] "Additional information [illegible]".

[illegible] **Non-volatile residue**: [illegible] 100 [illegible] 105° [illegible] 5 [illegible].

[illegible] **Water-insoluble substances**: [illegible] 10° [illegible] 30 [illegible].

[illegible] **Acidity**: [illegible] 20 [illegible]

[illegible] 20 [illegible] (0.02) [illegible] 0.5 [illegible].

[illegible] :**Aldehydes and other foreign organic substances** [illegible] (~250) [illegible] 15 [illegible] 20 [illegible] 0.1 [illegible] (0.02) [illegible] 15 [illegible] 5 [illegible].

[illegible] :**Fusel oil and allied impurities** [illegible] 25 [illegible] (~1760) [illegible].

[illegible] :**Methanol** [illegible] (~105) [illegible] (25) [illegible] (50) [illegible] (105) [illegible] 5 [illegible] 10 [illegible] 60 [illegible] 350 [illegible] 220 [illegible] :**Benzene** [illegible] 1 [illegible] 220 [illegible] 0.3 [illegible] 230 [illegible] 0.18 [illegible] 240 [illegible] 0.08 [illegible] 350 [illegible] 270 [illegible] 0.02 [illegible].

Aluminii magnesii silicas

Aluminium magnesium silicate [illegible]

[illegible]

:**Chemical name** [illegible]

Magnesium aluminosilicate; aluminium magnesium silicate; CAS Reg. No. 1327-43-1.

.Aluminum magnesium silicate [illegible]

[illegible] :Description [illegible]

[illegible] :Solubility [illegible]

[illegible] :Category [illegible]

[illegible] :Storage [illegible]

[illegible] :Additional information [illegible]

REQUIREMENTS [illegible]

Identity testes [illegible]

[illegible] :A [illegible] 1 [illegible] 2 [illegible] R [illegible] (B [illegible]) [illegible] 5 [illegible] (~100/ [illegible]) TS [illegible] 2 [illegible] (~70/ [illegible]) TS [illegible] 10 [illegible] (C [illegible]) 2 [illegible] 0.2 [illegible] TS [illegible] 0.5 [illegible] (0.1 [illegible]) VS [illegible].

[illegible] :B [illegible] A [illegible] (~420/ [illegible]) TS [illegible] (~1760/ [illegible]) TS [illegible] R [illegible] 10 [illegible].

[illegible] :C [illegible] A [illegible] 2 [illegible] (~70 /[illegible]) TS [illegible] 0.5 [illegible] (~80 /[illegible]) TS [illegible] (~100/ [illegible]) TS [illegible].

[illegible] :Heavy metals [illegible] 1.0 [illegible] 5 [illegible] 5 (~70/ [illegible]) TS [illegible] 10 [illegible] "Limit test for heavy metals" [illegible] A [illegible] 1 [illegible] 128 [illegible] 40 [illegible].

[illegible] 25 [illegible] 1.0 [illegible] :**Acid-insoluble impurities** [illegible] 5 [illegible] TS (70~) [illegible] 105 [illegible] 20 [illegible].

[illegible] 4 [illegible] VS (0.1) [illegible] 50 [illegible] 1 [illegible] :**Alkalinity** [illegible] 10 [illegible].

Amyla

Starches [illegible]

[illegible] :**Composition** [illegible] (*Solanum* [illegible] (*Triticum aestivum* L.) [illegible] (*Oryza sativa* L.) [illegible] (*Zea mays* L.) [illegible] .*tuberosum* L.)

:**Chemical name** [illegible]

Starch; CAS Reg. No. 9005-25-8.

[illegible] :**Description** [illegible].

[illegible] TS (750~) [illegible] :**Solubility** [illegible].

[illegible] :**Category** [illegible].

[illegible] :**Storage** [illegible].

[illegible] :**Labelling** [illegible].

[illegible] :**Additional information** [illegible].

Identity testes [illegible]

[illegible] 50 [illegible] 1 [illegible] :A
[illegible] thin cloudy mucilage [illegible]
.(B [illegible])

[illegible] VS (0.005 [illegible]) [illegible] 0.05 [illegible] A [illegible] 1 [illegible] :B
[illegible].

Microscopic examination [illegible]

[illegible] 35 [illegible] – [illegible]
[illegible].

[illegible] 10-2 [illegible] – [illegible]
[illegible].

[illegible] 50-20 [illegible] – [illegible]
[illegible] 10-5 [illegible]

[illegible] 100 [illegible] – [illegible]
[illegible].

[illegible] TS ([illegible]70~) [illegible] 15 [illegible] 1.5 [illegible] :**Iron** [illegible]
[illegible] 10 [illegible] (129 [illegible] 1 [illegible]) "Limit test for iron [illegible]"

:**Sulfated ash** [illegible]

[illegible] 6 [illegible] – [illegible]

[illegible] 10 [illegible] – [illegible]

[illegible] 6 [illegible] – [illegible]

[illegible] 6 [illegible] – [illegible]

:°[illegible]100 [illegible] :**Loss on drying** [illegible]

[illegible] 150 [illegible] – [illegible]

[illegible] 150 [illegible] – [illegible]

[illegible] 150 [illegible].

[illegible] 200 [illegible].

Acidity: [illegible] 10 [illegible] 100 [illegible] TS (600~) [illegible] 50 [illegible] 0.1) [illegible] VS [illegible] 2.0 [illegible].

Foreign matter: [illegible].

Oxidizing matter: [illegible] 5 [illegible] 10 [illegible] 1.2 [illegible] 0.5 [illegible] TS (300~) [illegible] R [illegible].

Sulfur dioxide: [illegible] 20 [illegible] 200 [illegible] 100 [illegible] 3 [illegible] TS [illegible] 0.005) VS [illegible] 2.7 [illegible] 0.08).

Aqua purificata

Purified water [illegible]

Relative molecular mass: 18.02 [illegible]

Chemical name: [illegible]

Water; CAS Reg. No. 7732-18-5.

Description: [illegible].

Category: [illegible].

Storage: [illegible].

Labelling: [illegible].

:*CAUTION* ÀſØƠ :**Additional information** ǦƐƺÅ ȓ Ǖ ğ Åƞƺ ŸĤƞ

.ǺÅÕǵ ŏÅÛȝŔō ǵÆĤţā ğāÀŘĦǪÊţā Ž ʔÕÅţā ŏÅţā ÿāÆǺǪèā ÿÆȝ Ǣƨ –

ǦƞÅÕĤōā ŌDZɉ øÅǪǪǹȓā" ÀȚǪā) ȯÅȶĤǪèȓā ŌǦȩ ǵÀȉÅǦƞ ǦƐÆĤōā ğāÀŘĦǪÊţā ŌDZɉ ÆĤţā ʔÕÅţā ŏÅţā ǈƐÕĤǨ Ǣƨ –

øÆÔţā ȸƞ 37 ǦĦÅÔōā Û"Methods of sterilization ǈƐÕĤǪōā ȧÀǜ"ş 33 ǦĦÅÔōā Û4 ÆŸŎā Û"Test for sterility

.(ĘǣÅÊōā

REQUIREMENTS ƘǦȟƱƙďž!ƒ

ȝǣÅǪǪş PbTS (ȯ/ȟ 60~) ŌƐǪƐèɉā ȐȶШ ŏÅŁÅǦōā ǴĦÔŀ ÛŌƞ 40 ÿÆǺǪÊǪ :**Heavy metals** ǦŸƐŌǯōā ɉǻÅĤţā

1 ŏāÀDZɋā Û"Limit test for heavy metals ǦŸƐŌǯōā ɉǻÅĤţā ŌDZɉ ɃÆΣā øÅǪǪǹȓā" ɉāƺȝ ǨƠ ȣƺȍƺƞ ƺȽ Åȶȭ

ǵÆƞ ÀŌǪÊƐō ȭÀǪǪ Û(128 ǦĦÅÔōā Û1 ÆŸŎā) A ǦŌǪÀÛŸō ǺĤǦǨ ǦŸƐŌǯōā ɉǻÅĤţā ȸƞ ʡƺǪǂā ƙĤǪ Ü(127 ǦĦÅÔōā Û1 ÆŸŎā)

ȼƐƺ ŏÅŁÅǦōā ɉƺȮǨ ɃØōā žÅĤţā Ƙȡ ȼÊÅǪ ʔÕÅţā ŏÅţā ȸƞ ÀǪō ɄŸƞ 40 ɉƺō ȸƞ ǦƞÅǪȩ ÀǯȭǕ ɉƺŸōā ɉƺȮǪ ȓ ÜĘǝÅȩǻ 10

.ŌǪÅư ƺǓ ʔŸȝ ǦĦĦÔƞş ǦŌǣÅÛƞ

(potassio- ŌƐŌǦǝÂōā ÆǪǻƺǪ – ƺƐèÅǨƺǣ ȸƞ Ōƞ 2 ȣÅŘǪ ÛǦǪøÅŌƞ āƺǦǪǕ ɃǕ Ōƞ 50 ŌŌǪǪ :**Ammonia** ÅƐǪƺƞɉā

ɉƺȮǪ ȓ ÜŏÅŘƐǣ ǦƐÅŸǹ ŌǣÅŌƞ ÀȊǪǨƞ ŏƺŔǣ āƺǦǪɋō ɃǻƺȶĤōā øƺǂā ŌÅèǕ ǢǝāÀǪş ÛɃƺŸŌōā TS mercuric iodide)

TS ÿƺƐǪƺƞɉā ÆǪøƺŸȭ ȸƞ Ōƞ 2 ɃǕ ǦƺÅȓɋÅǣ R ÅƐǪƺƞɉā ȸƞ ɃÅȉā ŏÅţā ȸƞ Ōƞ 50 ɉƺō ȸƞ ǵÆȉ ÀǯȭǕ ɋǨÅǪōā ɉƺŸōā

.ƺǻÅţā

Ûÿƺ ƐǪƺƞɉā ÆǪøƺŸȭ ǦǝøāǻɃ ȸƞ Ōƞ 2 ȣÅŘǪ Ōƞ 100 ɃǕ :**Calcium and magnesium** ÿƺǪÂøǪ8ţş ÿƺƐÊōÅȮōā

0.01) ÿƺǪǻƺÔōā ɄǝÅǪǪ ğÅǪǪÆǪǕ ȸƞ Ōƞ 0.5ş ÛR (mordant black 11) ȐèÀƞ ȸƞ ƞŸƞ 50ş ÛTS Û10.0 ŏÅŁÅǣ

.ƺƐÅǹ ȧøāǕ ɉƺō ɋǪǪ ÜVS (ȯ/ŏƺƞ

.ǺƐƺÅȍ ʔŌǦǪ ÜÿƺƐÊōÅȮōā ÆƐÊȭşøÆƐȽ ȸƞ Ōƞ 25 ȣÅŘǪ Ōƞ 25 ɃǕ :**Carbon dioxide** ɉƺǣÀȮōā ÆƐÊȭǕ ɄǝÅǪǪ

ÜĘǝÅȩǻ 5 ǵÆƞ ÀŌǪÊƐō ȭÀǪǪş TS (ȯ/ȟ40) ǦŘÅōā ğāÀǪǪ ȸƞ Ōƞ 1 ȣÅŘǪ Ōƞ 10 ɃǕ:**Chlorides** ğāÆǪøƺŸȮōā

.ɉƺŸōā ƇÆȝş ǺƐƺÅȍ ʔŌǦǪ

ÿÆȝ ɉÅȶȓ ȝƞ ÛTS ŌǪøƺÅŸÊōā Ȑƿ/ƙƞŸƐƐƺ ɄǝÅǪǪ ȸƞ Ōƞ 5 ɃǕ Ōƞ 5 ǦǪÅĤǣ ÆȭÀǪł :**Nitrates** ğāÀǪǪōā

.ƙŸǝÅÊŸō ɄøÆǦōā ǴÛÊōā Ž ȧøāǕ ɉƺō ÀȚȚǪ ȓ ÜƙŸǝÅÊōā ȝāÂǪƞā

ÜĘǝÅȩǻ 5 ǵÆƞ ÀŌǪÊƐō ȭÀǪǪş TS (ȯ/ȟ50) ÿƺǪøÅǦōā ÆǪøƺŸȭ ȸƞ Ōƞ 1 ȣÅŘǪ Ōƞ 10 ɃǕ :**Sulfates** ğÅǪŸÊōā

.ɉƺŸōā ƇÆȝş ǺƐƺÅȍ ʔŌǦǪ

(ȯ/ȟ100~) ŌǪøƺÅŸÊōā Ȑƿ ȸƞ Ōƞ 10 ȣÅŘǪ Ōƞ 100 ɃǕ :**Oxidizable matter** ǵÆÊȭɋō ǦŸǣÅŌōā ǻāƺţā

[illegible] 0.5 TS [illegible] (10/[illegible]) [illegible] TS [illegible].

[illegible] **Non-volatile residue** [illegible] 500 [illegible]
[illegible] 105° [illegible] 5 [illegible] (0.01 [illegible]).

[illegible] **Acidity or alkalinity** [illegible] 10 [illegible] TS [illegible]
[illegible] 10 [illegible] 5 [illegible] TS [illegible].

[illegible]

Additional requirment for purified water for sterile use

test for steritity of non–injectable [illegible] "preparations [illegible] (32 [illegible]).

Aqua pro injectione

Water for injections [illegible]

[illegible] **Description** [illegible]
[illegible]
[illegible]
[illegible].

[illegible] **Category** [illegible].

[illegible] **Labelling** [illegible].

[illegible] **Storage** [illegible].

[illegible] **Additional information** [illegible] *CAUTION* [illegible]
[illegible]
"Sterile water for injections [illegible]"

İŧõ ʒǣǺǪ|ş ÛPbTS (ȯ/ȟ 60~) ŌǪǬèɉǟ ȒŧɯǒĹŁİǴöä ǴĦÔǩ ÛŌŋ 40 ȳǼǺǪÊǺ :**Heavy metals** ǴŸǬŌǯöä ɉǻİȞţǟ Û1 ǼŸǑǟ) 1 ǒǟÀDZqǟ Û"Limit test for heavy metals ǴŸǬŌǯöä ɉǻİȞţǟ ŌDZɉ ɃǼΣǟ ǿİǴǪǹɍǟ" ɉǟζǺʒ ǨƠ ȣζòζŋ ζŁ ÜĘəİęǻ 10 ǥǼŋ ÀŌǪÊǬö ōÀǪǺ Û(128 ǴĦİÔöä Û1 ǼŸǑǟ) A ǴŌǺÀÛŸö ǬȞǴǩ ǴŸǬŌǯöä ɉǻİȞţǟ ȸŋ ʔζǪǂǟ ƙȞǺ Ü(127 ǴĦİÔöä
ζÜ ʔŸʒ ǴĦĦÔŋ ȼǬζ ǒĹŁİǴöä ɉζȮǩ ɄøǪöä ÛžİȞţǟ Ƙȡ ȼÊİǬ ʔŌİţǟ ǒİţǟ ȸŋ Ōŋ 40 ɉζö ȸŋ ǴŋİǪę Àǯōǚ ɉζŸöä ɉζȮǺ ɍ
.ŌǪİư

(potassio- ŌǬŌǴəÂöä ǼǺǻζǺ – ζǬèİǩζǣ ȸŋ Ōŋ 2 ȣİȒǺ ÛǴǬǿİŌŋ āζǴǬǚ ƃǚ Ōŋ 50 ŌŌǺǺ :**Ammonia** İǬǬζŋɉǟ ɉζȮǺ ɍ ÜǒİȒǬǣ ǴǬǺŸǹ ŌǣİŌŋ ÀÎǪǺŋ ǒζȒǣ āζǴǬǪǪö Ƀǻζŧȟöä ǿζǂǟ ŌİèǕ ǼęǟÀǺş ÛɃζŸŌöä TS mercuric iodide) TS ȳζǬǬζŋɉǟ ǼǺǿζŸõ ȸŋ Ōŋ 2 ƃǚ ǴζİȓqİǬ R İǬǬζŋɉǟ ȸŋ ƃİʅǟ ǒİţǟ ȸŋ Ōŋ 50 ɉζö ȸŋ ǥǼȉ Àǯōǚ ǰǩİǺöä ɉζŸöä
.ZİǺţǟ

ÛȳζǬǬζŋɉǟ ǼǺǿζŸõ Ǵəǿǟǻ ȸŋ Ōŋ 2 ȣİȒǺ Ōŋ 100 ƃǚ :**Calcium and magnesium** ȳζǺÂøǺ8ţǟş ȳζǬÊǒİȮöä 0.01) ȳζǺǻζÔöä ɄəİǺǬ ǧǺǪǺǼǺǚ ȸŋ Ōŋ 0.5ş ÛR (mordant black 11) ǸȩÀŋ ȸŋ ŋŸŋ 50ş ÛTS Û10.0 ǒİŁİǣ
.ZǬǺǹ ȧøàǚ ɉζö ǰǪǺ ÜVS (ȯ/ȯζŋ

.ǬǬζİò ʔŌǴǺ Üȳζ ǬÊǒİȮöä ǼǬÊõşǿǼǬŁ ȸŋ Ōŋ 25 ȣİȒǺ Ōŋ 25 ƃǚ :**Carbon dioxide** ɉζǣÀȮöä ǼǬÊõǚ ɄəİǺǬ ÜĘəİęǻ 5 ǥǼŋ ÀŌǪÊǬö ōÀǪǺş TS (ȯ/ȟ40) ǴȒİöä ǧǟÀǪǬ ȸŋ Ōŋ 1 ȣİȒǺ Ōŋ 10 ƃǚ :**Chlorides** ǧǟǼǺǿζŸȮöä
.ɉζŸöä ƇǼʒş ǬǬζİò ʔŌǴǺ

ȳǼʒ ɉİŧȓ ʒŋ ÛTS ŌǺǿζİŸÊöä Ȓþ/ƙŋŸǬǺǬζ ɄəİǺǬ ȸŋ Ōŋ 5 ƃǚ Ōŋ 5 ǴǺİǺȞǣ ǼȭÀǺ :**Nitrates** ǧǟÀǪǺöä
.ƙŸəİÊŸö ɄøǺǬǴöä ǴÛÊöä Ž ȧøàǚ ɉζö ÀȚŢǺ ɍ ÜƙŸəİÊöä ʓǟÂǪŋǟ

ÜĘəİęǻ 5 ǥǼŋ ÀŌǪÊǬö ōÀǪǺş TS (ȯ/ȟ50) ȳζǺǿİǴöä ǼǺǿζŸõ ȸŋ Ōŋ 1 ȣİȒǺ Ōŋ 10 ƃǚ :**Sulfates** ǧİǺŸÊöä
.ɉζŸöä ƇǼʒş ǬǬζİò ʔŌǴǺ

(ȯ/ȟ100~) ŌǺǿζİŸÊöä Ȓþ ȸŋ Ōŋ 10 ȣİȒǺ Ōŋ 100 ƃǚ :**Oxidizable matter** ǥǼÊõǪǚ ǴŸǣİŌöä ǻǟζţǟ
.ǬǬŸõ ɉζŸöä (āÀǺǪǺ) ȯşÂǺ ɍ ÜĘəİęǻ ǫŸǚ ǥǼŋ ʔŸ8ǺǪş VS (ȯ/ȯζŋ 0.02) ȳζǬèİǩζǴöä ǧİǬİ8ǺŋƘǣ ȸŋ Ōŋ 0.2ş TS
ŌŌǺ ʔøǪǵ ǼȚŸöä ȧζζ şǚ ǴǺǹİè ǴĦǬǺò ʔŸʒ Ōŋ 500 ʔŸ8Ǻ :**Non-volatile residue** ǥøİǬÛöä Ƙȡ ǴŌİŧǯöä
ǴʒİèǥǼŋ °ȳ105 ǥøǟÀǵ ǴDZǿǼǣ ǴŌİŧǰöä ZİѲ .ɄəİŋȳİȒ Ž ȣİǺƨǟ ʔøǪǵ ÀǺǴǺ Ż ÛǬǴǺÀŌǩ Ōŋ 50 ǴǴÔǬö ȴDZΣǟ
.(Ōŋ/ŋŸŋ 0.01) ŋŸŋ 5 ȸʒ ǼǺÂǩ ɍ ÜǥǼǵǟş

ÀŤȚÅ ғ ÜTS ȯζφÅǯÅqã/ŌĚǯȶã ğÀþ ȡȠ JÅǩÀÛȩ ȢÅȒÅ ŌȠ 10 БÜ :**Acidity or alkalinity** ǦÅζŸŌöã ȿÜ Ǧȑζȶ Σã

.ȧøàÜ Åφζö ÆÊĒŌÅ ғ ÜTS ȯζφÅǯÅqã/ȯζȶÈζȠȿȜöã Ǧęøà ȡȠ ğãÀÛȩ 5 ÅȒÅÜ ŌȠ 10 ȠŸǦÅ ŏÀDZ БÜ ȢÅȒÅ .Àþü Jζö

JãζÅȝ ǨƠ Ȣζòζ Ƞ ζȽ ÅȶÕ øÅǦȠ ғã ȜÀDzȽ :**Bacterial endotoxins** ǦȆζȠ ÀƨãǦŸȠ ãÆöã ğÅφÅÅÅØöã

ǦĦÅÔöã ÛǦÅÂŸÓφqã ǦȞǦÛöã Û5 ÆŸÕã) ."test for bacterial endatoxins ǦȆζȠ ÀƨãǦŸȠ ãÆöã ğÅφÅÅÅØöã ŌDZɉ øÅǦȠ ғã"

.ÀǪö ȢŸȶã Ž RS ȢŸȠãÆöã JÅÅÅØöã ȡȠ ǦȆöȿǻ ğÆǵȿ 0.25 ȡȝ Ȝζǂ ã ÆÅÂÅ ғ Ü(30

Aqua sterilisata pro injectione

Sterile water for injections DžȿƟǁǁ üɯǓ !ȿyDžǁǁ ƀƑDžǁǁ

ǺÆȝ ÜJζŸöã ǺÆȝȿ ÅζÅò ÛǥøãÀΣã Æöζ Ƞ ȡȠ ÅȆÀȠ ŸəÅè ȡŌΣã ŌDZɉ ȽŌȞȶã ŏÅȶã JζÓÅ :**Description** Ȥòζöã

ζÜ ɁŸȝ üǦȞÅȿ (37 ǦĦÅÔöã Û4 ÆŸÕã "Methods of sterilization ȽŌȞǪöã ȧÀù" ÀȚφã) ÅȶŌȞȠ JζÓÅ .ǦĦəãÀöã

.ÆèÅÅȠ

.(extempoyaneous use ŌƟÀȶã ȯÅȶȞǪèŸö) ÆÅØȠ :**Category** ǦÅÅöã

ȡȝ ÀŤÅȠ ğÆǵãζöã ȽDzǵ ÆÅÂÅ ғ ǦȝÀƨã ğÆȆǵȿ ğÅȿÅǵ Ž ȡŌΣã ŌDZɉ ȽŌȞȶã ŏÅȶã ȘÅǵ Æƶ :**Storage** ȡÅÂǺǪöã

.Æǵãȿ ÀǪö

REQUIREMENTS ƘǦȞǁƱƙdž!ƒ

.(56 ǦĦÅÔöã Û4 ÆŸÕã) "*Parenteral preparations* ǦȆŌΣã ğãÀȒĦǪÊȶã" ŌDZɉ ǦȠÅȞöã ğÅǦŸÛǪȶŸö ÆȆDzǪÊǩ

ȝãÅǪÅȿ ÛPbTS (ȯ/ȟ 60~) ŌȆǪèɉã ȒȶɯŏÅȽÅǦöã ǴĦÔȽ ÛŌȠ 40 ȳÆǺǪÊÅ :**Heavy metals** ǦŸȆŌǯöã Jǻ ÅȞȶã

1 ŏãÀDZqã Û"Limit test for heavy metals ǦŸȆŌǯöã JǻÅȞȶã ŌDZɉ ɃÆΣã øÅǦȠ ғã" JãζÅȝ ǨƠ Ȣζòζ Ƞ ζȽ ÅȶÕ

ğÆȠ ÀŌǪÊȆö ÕÀǪÅ Û(128 ǦĦÅÔöã Û1 ÆŸÕã) A ǦŌÅÀÛŸö ÅȞǦǩ ǦŸȆŌǯöã JǻÅȞȶã ȡȠ Ȝζǂ ã ƙȞÅ Ü(127 ǦĦÅÔöã Û1 ÆŸÕã)

JζÓǩ ȢøǪöã ÛžÅȞȶã Ƙȡ ȼÊÅφ ȡŌΣã ŌDZɉ ȽŌȞöã ŏÅȶã ȡȠ ȽŸȠ 40 Jζö ȡȠ ǦȠÅǪȩ ÀǯŌÜ JζŸöã JζÓÅ ғ ÜĘəÅęǻ 10

.ŌǪÅư ζÜ ɁŸȝ ǦĦĦÔȠ ȼȆζ ŏÅȽÅǦöã

(potassio- ŌȆŌǦəÂöã ÆÅǻζÅ – ζȆèÅǩζə ȡȠ ŌȠ 2 ȢÅȒÅ ÛǦφøÅŌȠ āζǦφÜ БÜ ŌȠ 50 ŌŌÅÅ :**Ammonia** ÅȆφζȠɉ ã

JζŸöã JζÓÅ ғ ÜŏÅȒȆə ǦȆÅŸȠ ŌəÅŌȠ ÀÎǪÅȠ ŏζȒə āζǦφqö ɃǻζȶȞöã øζǂ ã ŌÀèÜ ÆęãÀÅȿ ÛTS mercuric iodide)

.ȤȧÅǺȶã TS ȳζȆφζȠɉ ã ÆÅøζŸÕ ȡȠ ŌȠ 2 БÜ ǦζÅȑqÅə R ÅȆφζȠɉ ã ȡȠ БÅȴ ŏÅȶã ȡȠ ŌȠ 50 Jζö ȡȠ ğÆì ÀǯŌÜ ǰǩÅÅöã

ÛȳζȆφζȠɉ ã ÆÅøζŸÕ Ǧəøãǻ ȡȠ ŌȠ 2 ȢÅȒÅ ŌȠ 100 БÜ :**Calcium and magnesium** ȳζÅÂøÅ8ȶãȿ ȳζȆÊöÅÓöã

0.01) [illegible] 0.5 [illegible] (mordant black 11) [illegible] 50 [illegible] 10.0 [illegible]
[illegible]

[illegible] 25 [illegible] 25 [illegible] :**Carbon dioxide** [illegible]

[illegible] 5 [illegible] (40) [illegible] 1 [illegible] 10 [illegible]:**Chlorides** [illegible]

[illegible] 5 [illegible] :**Nitrates** [illegible]

[illegible] 5 [illegible] (50) [illegible] 1 [illegible] 10 [illegible] :**Sulfates** [illegible]

(100~) [illegible] 10 [illegible] 100 [illegible] :**Oxidizable matter** [illegible]
[illegible] (10) [illegible] 0.5 [illegible]

[illegible] 500 [illegible] :**Non-volatile residue** [illegible]
(0.01) [illegible] 5 [illegible] 105 [illegible]

[illegible] 10 [illegible] :**Acidity or alkalinity** [illegible]
[illegible] 5 [illegible] 10 [illegible]

[illegible] :**Bacterial endotoxins** [illegible]
[illegible] (30 [illegible] 5 [illegible]) "test for bacterial endotoxins [illegible]
[illegible] 0.25 [illegible]

(33 [illegible] 4 [illegible]) "Test for sterility [illegible] :**Sterility** [illegible]

Bentonitum

Bentonite [illegible]

[illegible] :**Composition** [illegible]

Chemical name [illegible]:

Bentonite; CAS Reg. No. 1302-78-9.

Description [illegible]:

Solubility [illegible]: 12 [illegible].

Category [illegible]:

Storage [illegible]:

Additional information [illegible]:

REQUIREMENTS [illegible]

Identity testes [illegible]

A: [illegible] 0.5 [illegible] 0.4 [illegible] .R [illegible] (B [illegible]). [illegible] TS (~420 [illegible]) [illegible] 2 [illegible] 2 [illegible] 5 [illegible] TS (100) [illegible] 2 [illegible] TS (~100) [illegible]

[illegible] TS (~420) [illegible] TS (~300) [illegible] TS (~80) [illegible] TS (~260) [illegible].

B: [illegible] A [illegible] TS (~420) [illegible] 10 [illegible] TS (~1760) [illegible].

Loss on drying [illegible]: 50 [illegible] 105 [illegible] 150 [illegible].

Alkalinity [illegible]: 2 [illegible] 100 [illegible] R [illegible] 5 [illegible] 0.1 [illegible] 5 [illegible] 0.1 [illegible] TS [illegible] 0.1 [illegible]

[illegible] 5 [illegible] vs [illegible] 0.1 [illegible]

[illegible] 0.3 [illegible] 6 [illegible] **Sedimentation volume**: [illegible] 100 [illegible] 200 [illegible] R (Calcined) [illegible] 24 [illegible] 2 [illegible].

[illegible] TS [illegible] 10 [illegible] 100 [illegible] **Swelling power**: [illegible] 2 [illegible] 20 [illegible] 100 [illegible] (settle) [illegible] 22.

[illegible] 20 [illegible] 2 [illegible] **Fineness of powder**: [illegible] 75 [illegible] 100 [illegible] 75 [illegible].

Benzalkonii choridum

Benzalkonium choride [illegible]

[illegible] **Composition**: [illegible] C_{18} [illegible] C_8.

Chemical name [illegible]:

Alkylbenzyldimethylammonium chloride; alkyldimethyl(phenylmethyl)ammonium chloride; CAS Reg. No. 8001-54-5.

[illegible] **Description**: [illegible].

[illegible] **Solubility**: [illegible] TS [illegible] 750~ [illegible] R [illegible] R [illegible].

[illegible] **Category**: [illegible].

[illegible] **Storage**: [illegible].

[illegible] :**Additional information** [illegible]

REQUIREMENTS [illegible]

[illegible] %104.0 [illegible] %95.0 [illegible]

[illegible] (354.0 [illegible]) $C_{22}H_{40}ClN$ [illegible]

Identity testes [illegible]

A: [illegible] 0.1 [illegible] 100 [illegible]

B: [illegible] 5 [illegible] (~80) TS [illegible] 0.1 [illegible] TS [illegible] 5 [illegible] R [illegible] 10 [illegible] 1 [illegible] R [illegible] 0.1 [illegible]

C: [illegible] 10 [illegible] (~750) TS [illegible] A [illegible] "General identification tests [illegible]" [illegible] 1 [illegible] 121 [illegible]).

Sulfated ash [illegible]: [illegible] 20 [illegible].

Water [illegible]: [illegible] "Determination of water by the Karl Fischer method" A [illegible] 1 [illegible] 145) [illegible] 0.1 [illegible] 150 [illegible].

Ammonium compounds [illegible]: [illegible] 0.1 [illegible] 5 [illegible] 3 [illegible] (1 [illegible]) VS [illegible] R [illegible].

Assay [illegible]: [illegible] 2 [illegible] 100 [illegible] 25 [illegible] 25 [illegible] R [illegible] 10 [illegible] (0.1 [illegible]) VS [illegible] 10 [illegible] 50 [illegible] 10 [illegible] 40 [illegible] (~420) TS [illegible] 2 [illegible] R [illegible] VS (0.05 [illegible]) [illegible] 10 [illegible] 10 [illegible].

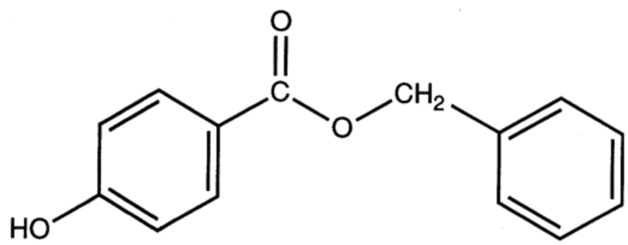
(ὁ/ȟ420~) ÕǁǿζŸÕşǿÆŀŦǟ Ȓƥ ȸƞ Ȯƞ 40ş ǒǠţǟ ȸƞ Ȯƞ 20ş ÛǠǂǕ ȣζȍζƞ ζȽ ǠŧÕ ǠǅǟǠù ǠȒǂǟ ȳζŀèǠǩζǤǟ
.TS

.$C_{22}H_{40}ClN$ ȸƞ ȠŸƞ 35.40 ȕζǠȮǁ VS (ὁ/ὁζƞ 0.05) ȳζŀèǠǩζǤǟ ğǟǻζǁ ȸƞ Ȯƞ 1 ȮÕ

ØØØØØ

Benzylis hydroxybenzoas

Benzyl hydroxybenzoate üĬŖǌǁǁ lǉǋŖǌ Ĭ ƨlǋƥɋĭǰ



$C_{14}H_{12}O_3$

228.3 :**Relative molecular mass** ǦŀǦÊǠǟ ǦŀǠÂƨǟ ǦŸǪȮǟ

:**Chemical name** ȣǝǠŀŧŀȮǟ ʅèɼǟ

Benzyl *p*-hydroxybenzoate; phenylmethyl 4-hydroxybenzoate;
CAS Reg. No. 94-18-8.

.ǠǤǁÕǩ ǦȞǝǟǠǟ ȻÆʒ şǗ ǦȞǝǟǠǟ ȻÆʒ ǗȢζǠÕ ȒŀǗ şǗ ȒŀǗ ȸǿζŸǟ ȧζȞÊƞ :**Description** Ȥȍζǟ

Ž ǟǟşǽ ÜR ƘǬǂǟş TS (ὁ/ȟ750~) ὁζǫǠǯǁɋǟ Ž ǟǟşǽ ÜǒǠţǟ Ž ǠŀŸŧʒ ǟǟşǽ ɼ :**Solubility** ǦŀǫǠǽşǾǟ
.ǦǁζŸÕǟ ğǟÆŀÊÕşǿÆŀŦǟ

.ğǠǽşǠȮŧŸǟ ǥǠȒƞ ǦŢζǠǥ ǥǠƞ :**Category** ǦǠǠǟ

.ǠÆŀǅǉ ǦÕŸȣƞ ǦǁşǠǥ Ž ȮǁÂǿǠǤǟ ğǟşÂǿǠǽ ȣÊÕşǿÆŀȽ ȘǠǥ Æʓ :**Storage** ȸǁÂǺǪǟ

REQUIREMENTS ƘǦǜǁǷǩǆ!ƒ

.$C_{14}H_{12}O_3$ ȸƞ %101.0 ȸʒ ÆǁÂǁ ɼş %99.0 ȸʒ ȮÕǁ ɼǠƞ ȮǁÂǿǠǤǟ ğǟşÂǿǠǽ ȣÊÕşǿÆŀȽ ȤζǪʒ

Identity testes ƕǔǋǋǁǁ lǉƥǥǂǁǁ

ǠǪƞζǫǠǫ 230 ƘǽǠ ÆŀǠÎǁ ǠƞÆǁʒ ÛTS (ὁ/ȟ750~) ὁζǫǠǯǁɋǟ Ž ȟ/ȳǟǠȡşǠȮƞ 10 ὁζŸǈ îǠÔǪƞǟ ȤŀǗ ȤÆǤǁ :**A**

0.76 ãØĿ ĞDZɀţã ȯɀừ ÆĂɜ Ųẽ 1 ĞɸĂǺǯæ ĞÕĞừ î ĂǬ ŋŸĞĂ ÜĂǪŋɀɸĂɸ 260 ĞæãĂę ĞDZɀŋ ȯɀÛæ ÃĿŧȚɜÜ ÃÆǵ ÜĂǪŋɀɸĂɸ 350ş .ÃĞĂĂÕǩ

ÜTS ÕĂĂǪĂõã Ȑ þ/ĘĞəÂõã ȸŋ Ōŋ 0.5 ȣĂȒĂş ÛʔŸȣĂ ÛTS (ȯ/ȟ750~) ȯɀɸĂǯĂqã ȸŋ Ōŋ 2 Ž ȟ 0.1 ãäØĂ :**B**
.Ăþ Ü ŽĂÛõã ŌəĂÊõã ȷɀȯ ǴĞÔĂş ÛĞæĂẽø ÃĿƶøÆǩ ŎÔĂĂǩ

.°ÿ 112 ĞææĂę øĂȚÔɸɍã ĞDZøǻ :**C**

.ȟ/ŋŸŋ 1.0 ȸɜ ÆĂÂĂ ɍ :**Sulfated ash** ǨĂŸÊţã ǻĂŋĂõã

ĝĂþ ÿãÆǺǪẽĂæ ÃŸĞę ȯÆȞǪÊţã TS (ȯ/ȟ375~) ȯɀɸĂǯĂqã ȸŋ Ōŋ 10 Ž ȟ0.2 ãäØĂ :**Acidity** Ğȓɀŧ∑ã
ʔŸɜ ȯɀÔʉŸõ Ōŋ 0.1 ȸŋ ĂǯõÜ ÆŸÛǪĂ ɍ ÜVS (ȯ/ȯɀŋ 0.1) ÿɀĂǻɀÔõã ÆĿÊõşøÆĿŏ ĂĂĂȞĂ .TS ȯɀɸĂǯĂqã/ŌĿǯĿţã
.(БĂÕǩĂæ) ĂȞÎŧŸõ ʔÛẽɀõã ĞÛŌĂõã

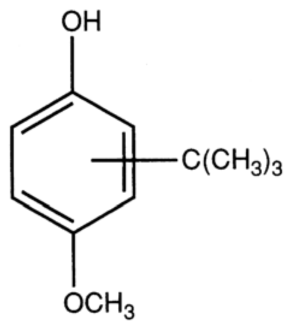
(ȯ/ȟ80~) ÿɀĂǻɀÔõã ÆĿÊõşøÆĿĿ ȸŋ Ōŋ 20 ȣĂȒĂ ÛĞĿừɀĞȒŋ Ğɸşàɀŋ Ûȟ 0.12 ĞææĂę БÜ :**Assay** ĞÊĂĂŌţã
ɄəĂĂɸ ȸŋ ÛŌŋ 20 ĂȚĂŋ Ōõ Ûğ ĂĿŧõ 3 øæ ÒŸǺǪÊĂş ÛǻƎĂ .ĞŌĿęǻ 30 ĝÆŋ ɄɜɀDZø ȷĂĂDZ ǨƠ ȤÛŸæ ʔŸȣĂş .TS
Ōæɀẽ ȣĂȒǩş VS (ȯ/ȯɀŋ 0.1) ÿɀĂǻɀÔõã ÆĿÊõşøÆĿĿ ȸŋ Ōŋ 20 øæ ĞȞŧŎõã ğĂòŸɭã ŌÊȣǩ .R ȷĂǯĂşøɀŸõ
ÿɀĿẽĂǩɀĞõã ğĂŋşĂæ ȸŋ Ōŋ 25 ɄəĂţã ȯɀŸǂã БÜ ȣĂȒĂ .ȸɀȒȞõã øɀÛõã ȡɀĂÛæ ÛȄĿəĂõã ɄəĂţã øɀÛõã БÜ ŌĿÊȣõã
ÕĂøɀŸõşøÆĿȚã Ȑþ ȸŋ Ōŋ 10ş TS (ȯ/ȟ100) ÿɀĿẽĂǩɀĞõã ÆĿŋşĂæ ȸŋ Ōŋ 6ş VS (ȯ/ȯɀŋ 0.0333)
ÆĂǻɀĂ ȸŋ Ōŋ 25 ȣĂȒĂ .ĞŌĿęǻ 15 ĝÆŋ ĂŌǪÊǪõ õĂǪǩş ĞŌĿęǻ 15 ĝÆŋ ȸĂǩ .ĝĂïĂĞŋ ĞŸDZɀ∑ã ǻÊǩş TS (ȯ/ȟ420~)
ĂÎĂõã ÿãÆǺǪẽĂæ ÛVS (ȯ/ȯɀŋ 0.1) ÿɀĂǻɀÔõã ğĂĂŸẽɀǯæ øĂǂã ǻɀĿõã ĂĂĂȞĂ .ĝɀŌæ ȸĂŀş TS (ȯ/ȟ100) ÿɀĿẽĂǩɀĞõã
ĞĂÜ ʔĂDZɀŀş ĞòɀʉĂţã ŌĂÂøĂĞõã ğãşÂøĂæ ɄÊõşøÆĿĿ ȷşǻ õãĂDZɀqã ǻĂȞĂ .ĝĂĂȞţã ĞĂĂŒ ãĂę ȣĂȒĂ ÛĂȞÎŧõ TS
ğĂĂŸẽɀĿǪ ŲDzǵ ȤÔɸ ĞŋÆǺǪÊţã VS (ȯ/ȯɀŋ 0.0333) ÿɀĿẽĂǩɀĞõã ğĂŋşĂæ ŲDzǵ ừɀĂÒĂ .ĞĂøşĂȓ ğĂʉĿʉÔǩ
ÿɀĂǻɀÔõã
.ĝĂĂȞŧŸõ ĞæɀŸÛţã VS (ȯ/ȯɀŋ 0.1)

.$C_{14}H_{12}O_3$ ȸŋ ŋŸŋ 7.608 ừɀĂÒĂ VS (ȯ/ȯɀŋ 0.0333) ÿɀĿẽĂǩɀĞõã ğĂŋşĂæ ȸŋ Ōŋ 1 Ōõ

øøøøø

Butylhydroxyanisolum

Butylated hydroxyanisole üŀǊǤǄǁǁ üǊǰƨĭǆǁ Ĭ ƨ ǀǊƥơĭǊǁǁ



$C_{11}H_{16}O_2$

3-*tert*-butyl-4- ȸȵ ǤǺǺǍǬȵ ğǍǼȶõ ʔǏȝ ǑǩǫǤƫǟ ȯǫÊǼǬǕ ɄÊõȿǿǼǼǠǟ ɃǫǬʒ **:Composition** ǼǼõǍǬǟǟ

.methoxyphenol

180.3 **:Relative molecular mass** ǤǼǤÊǺǟǟ ǤǼǍǺÂƨǟ ǤǝǬǠǟǟ

:Chemical name ɄɘǍǼȶǼǠǟǟ ȴèɟǟ

tert-Butyl-4-methoxyphenol; (1,1-dimethylethyl)-4-methoxyphenol; CAS Reg. No. 25013-16-5.

.BHA **:Other name** ǍǹǓ ȴèǟ

.ǥÂǼưȿ ǤǍǼǺǹ ǤǶəǟǍǟǟ ǕǺǺÔȵ ȐǼǼǕ ǼǝȸòȿǕ ǼǤǺǍǑǩ ȐǼǼǕ ȿǕ ȐǼǼǕ Ƀøǫǝǟ ȧǫǶÊȵ **:Description** Ƶòǫǟǟ

R ȳøǫǫȿøǫǝǠǟǟȿ ǕTS (ȯ/ȟ750~) ȯǫǬǍʒǺqǟ Ž ȷǍǟȿØǟǟ Ǎǵ ǕǒǍȶǟ Ž ǟǟȿǽ ɟ ǼǝǼȶʒ **:Solubility** ǤǼǬǍǟȿØǟǟ

.ǤǺǫǝǑǟǟ ğǟǼǼÊõȿøǼǼǠǟ ǑǼǟǍȚ Ž ǟȿØǺ ǕR ɄøǬǟǻǫÊǟǟ ȯǫǍǟǟ ǨǺǟȿ R ƙǝǼǽȿƎǟǟ ȯǫǠǼǝȡȿ R Ƙǫɉǟȿ

.ǼÊõǕǬǟǟ ǻǍȐȵ **:Category** ǤǍǺǟǟ

.ǒǫȒǟǟ ȸȵ ʔȶʒ ȷǕȿ ǕǼǼǼǅ ǤǑǝ8ȵ ǤǺȿǍǵ Ž ǑǩǫǤƫǟ ȯǫÊǼǬǕ ɄÊõȿøǼǼǠǟ ȘǍǵ Ǽƶ **:Storage** ȸǺÂǺǬǟǟ

Identity testes ƕǏǋǊǁ ǀ ƐƥƑǴǈƐ

(ȯ/ȟ10) ȳɀǻƗǍǬ ğǻǿǬ Ƀ3ǿ ȡȵ Ǭ 4 ȣȒȘ ǗTS (ȯ/ȟ750~) ȯɀǿȡȵ Ǭ 10 Ž ȟ0.1 ǟǿ :A ȡƗɀǻǘ ɄÊǬȘǿƑǞ ȡ3 ÂƐɛ) ȧǿȁ ȷɀ ǰǬ ÜTS ȯɀǿ/ȷɀǬȘǿǬ Ʉǿ -6,2 ƑɛǿǬ ȡȵ Ǭ 1ȘTS .(ǬǨȶ

ȳɀƑȅǨɀǬ ƑǨȅ ɃƘɀ ȡȵ Ǭ 0.1 ȣȒȘ TS (ȯ/ȟ750~) ȯɀǿȡȵ Ǭ 10 Ž ğǿ ǦȒ ǟǿ :B .ȧǿȁ ƂǗ ȀȒȵǗ ȷɀ ǰǬ ÜTS2 ǬƘǬ ȳɀȵǗ ğȅ ȡȵ Ǭ 0.5Ș TS (ȯ/ȟ10)

ȼɀǨ ȷɀǬ ɍȘ ǬǬ R ȯɀǿȶ ȡȵ Ǭ 10 Ž ȟ 1 ȯɀƬ ȷɀǬ :**Solution in methanol** ȯɀȶ Ž ȯɀǂ Colour of ǬɀÊǬ ȷɀ" ȷɀȝ ǨƠ ȣɀȍȵ ɀȽ ȶǬ ȷǿǬ ȵǞȝ Yw3 ɃǿȶǬ ȷɀǬ ȯɀƬ ȡȵ ǥƑȉ ȁǬ .(53 ǦǬÔǬ Û1 ƑǬ) "liquids

.ȟ/ȠȠ 1.0 ȡ3 ƑǞ ɍ :**Sulfated ash** ǨȅÊȶ ǻȵȁǬ

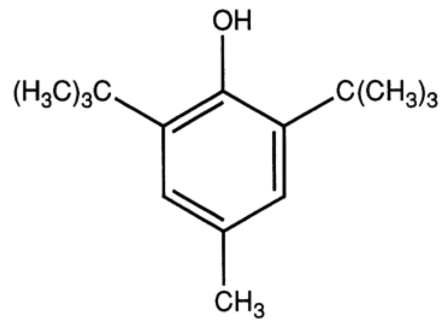
Thin- ǦǬǬ ǦǬǬ ǟȀÎȅ" ȷɀȝ ǨƠ ȣɀȍȵ ɀȽ ȶǬ ǿȵɍ ȨǦÛ :**Hydroquinone** ȷɀǬȘǿƑǞ ȳɀǦ 4 ȡȵ ǰǞȘ ǦȠ ǥȶǬ R1 ȮƑÊǬ ǦȵɎ ȳƑȅ Û(84 ǦǬÔǬ Û1 ƑǬ) "layer chromatography ȡȵ ȀȘ ȀǬ 3 ǦǬÔǬ ʔ3 ƔÔȵ ȨǦÛ .ǬȀǬ ǿÛǬ R ǬȶǬ ğȅ ȡȵ ƑǦȘ ȴǦȘ R ȳǿɀȘǿǬ ȡȵ ȡȵ ȠȠ 0.10 (B)Ș ȀǬ Ʉȶ Ž ǬȶǬ ȯɀÊǬ ɄÊǬȘǿƑȽ ȡȵ ȠȠ 50 (A) ɃɀƷ :R ƘǬ Ž ƙɀƬ ǣȀ ÛȨǬ ǦȒ ǬɀǞ Ž ƵǦǬ ǬȀǬ ǟȀÎȅɍ ǥȀǦ ȡȵ ǦǬÔǬ ȶÂǿ ƑǞ .ȀǬ Ʉȶ Ž R ȷɀǬȘǿƑǞ ȔÛƯ ÒǬ .TS (ȯ/ȟ260~) ǞȵȶǬ ǿȵ Ƃ ȏȀǦ ǞǬȅɀǘǿ ȯƳȵȘ ÛTS ȯɀǿ/ǬǞǬȵɀȀȅɀǬ ȒȽƜ ǦǬǬ ǦǬ ȡȵ ǥƑȉ ȁǬ B ȯɀǂǬ ǦÔǬÊȶ ǦǬǬ ȷɀǬ .ǬȀÔǬ ǦǬɭ ȯȘȁ ȯǥ ǿƬǬ ǬɀȉŽ ǟȀÎȅɍ .A ȯɀǂǬ ǦÔǬÊȵ ǦǬÛȵ

ǦǬǬ ǦǬǬ ǟȀÎȅ" ȷɀȝ ǨƠ ȣɀȍȵ ɀȽ ȶǬ ǿȵɍ Ƀȝ :**3-*tert*-Butyl-4-methoxyphenol** ȳǿɀȘǿɀǬȘ ǦȠ ǥȶǬ R1 ȮƑÊǬ ǦȵɎ ȳƑȅ Û(84 ǦǬÔǬ Û1 ƑǬ) "Thin-layer chromatography ȡȵ ȠȠ 25 (A) ɃɀƷ ÜR ƘǬ Ž ǬƬ ǦƔ ȡȵ ȀȘȀǬ 2 ǦǬÔǬ ʔ3 ƔÔȵ ȨǦÛ .ǬȀǬ ǿÛǬ R ȠȠ 0.125 (C)Ș ȀǬ Ʉȶ Ž ǬȶǬ ȯɀÊǬ ɄÊǬȘǿƑȽ ȡȵ ȠȠ 2.5 (B)Ș ȀǬ Ʉȶ Ž ǬȶǬ ȯɀÊǬ ɄÊǬȘǿƑȽ ÛǬɀǞ Ž ƵǦǬ ǬȀǬ ÛǟȀÎȅɍ ǥȀǦ ȡȵ ǦǬÔǬ ȶÂǿ ƑǞ .ȀǬ Ʉȶ Ž ǬȶǬ ȯɀÊǬ ɄÊǬȘǿƑȽ ȡȵ .ǿƬǬ ǬɀȉŽ ǟȀÎȅɍ ȔÛƯ ÒǬȘ ÛTS ȳɀƑȅǨɀǬ ƑǨȅ ɃƘɀ/ǬƘǬ ƑǿɀǬ ǣȀȘ

Ʒȑ ҁţ ̴Ž ǴǚÊǚǝÀ̴̈ö ǴǨ̈ÕǴ̴ö ȸȠ ǥǼ ̀ì Ȁ̌ǯõǗ A ȯҁ ǂ ǂ Ǡ ǴŸÔȞǪÊţ̴ Rf ~ 35 ǼȺƷ ǒǠçøÂ̴ö ǴǚDzÊȦǴ̴ö ǴǨ̈ÕǴ̴ö ȷҁÒ̌ ɟ ǴŸÔȞǪÊţ̴ ǴǨ̈ÕǴ̴ö ȸȠ ǥǼ ̀ì Ȁ̌ǯõǗ ȷҁÒ̌ ɟ A ȯҁ ǂ ǂ Ǡ ŌÔȞǪÊǩ ʔȀǹǗ ǴǨ̈Õǣ ǴǞ .B ȯҁ ǂ ǂ Ǡ ǴŸÔȞǪÊţ̴ ȀȚȚţ̴ş .C ȯҁ ǂ ǂ Ǡ

Butylhydroxytoluenum

Butylated hydroxytoluene üǂǋǦǅǁ ǄǐǋǁǋƯ Ǐ ƨ ǀǋƥǫǐǋǁ



$C_{15}H_{24}O$

220.4 :**Relative molecular mass** ǴǚǴÊȦ̴ö ǴǞȦÂƨ̴ ǴŸǪÒ̴ö

:**Chemical name** ȗəǠǂǂÒ̴ö ǈȅ ɟ̴

2,6-Di-*tert*-butyl-*p*-cresol; 2,6-bis(1,1-dimethylethyl)-4-methylphenol; CAS Reg. No. 128-37-0.

.BHT :**Other name** Àǹǚ ǈȅ̴

.ǥÂǂưş ǴȀǂÀǹ ǴȞəǠÀ̴ö ǗǴǴÀ̈Õ̌ ȒǂǠǗ şǗ ȒǂǠǗ Ƀøҁ ǂ ȧҁȞÊȠ şǗ ȷҁǂ̴ö ǴƩǼƷ ğ̴øҁ ǂ :**Description** Ȥ ȍҁ̴ö

ȳøҁҁşøҁ ǂÒ̴öş R ȷҁǪȅɉ̴ş ǗTS (ȯ/ȟ750~) ȯҁǫǠǯǀȹ̴ Ž ā̴şǣ ǗǒǠţ̴ Ž ā̴şǣ ɟ ǼȲǂƫƷ :**Solubility** ǴǚǫǠşØ̴ö .R ȗøǫ̴ǻҁÊ̴ö ȯҁǠ̴ö Ǩǀàş R ǨǪɉ̴ş R

.ǼÊõǖǪ̴ö ǻǠȒȠ :**Category** ǴǠÀ̴ö

.ǒҁȒ̴ö ȸȠ ʔƫƷ ȷǗş ǗǼǼǅ ǴÕŸȠ ǴǀşǠǵ Ž ŌǨҁǴţ̴ ȸǀҁȯҁù ɄÊõşøǼǂ ȘǠǵ Ǣƶ :**Storage** ȸǀÂǺǪ̴ö

REQUIREMENTS ǨǴǚǗǨdž!ƒ

Identity testes ȟǐǋǁǋ ǀ ǫƥƒǴǂǀǫ

ÿζ͈ǻζÔöä ğäǿζǽ Ʉʒǽǿ ȸŋ Ōŋ 4 ȣÂȒʢş ÛTS (ȯ/ȟ750~) ȯζφǯʢɋä ȸŋ Ōŋ 10 Ž ȟ 0.1 āäǾʢ :A
ȸʒ ÂȄư) ȤȄÀǹ ȧǿäǜ ɹζö ȸŋ Ǟǯõǜ ǰǪʢ ɟ ÜR ɹζǼõşǿζŸõ ɄəÂǭ-6,2 ǼȄɕǿζŸõ ğäǿζŸǽ ǦȞȒǽş TS (ȯ/ȟ10)
.(Ōǩζǥţä ȯζÊȄǭǜ ɄÊõşǿǼȄȽ

ȯζφǯʢɋä/ɹşǨǪèζǪÊȄǪöä ğÂφζǤʢǞǽ ȸŋ Ōŋ 1 ȣÂȒʢ .TS (ȯ/ȟ750~) ȯζφǯʢɋä ȸŋ Ōŋ 2 Ž ŋŸŋ 10 āäǾʢ :B
ōǞǪʢş ÛĘəÂęǻ 10 ģǼŋ °ÿ 80 ǦDZǿǼǽ Ʉəŋ ÿÂƥ Ž üǯǼʢ .TS (ȯ/ȟ80~) ÿζ͈ǻζÔöä ɄÊõşǿǼȄȽ ȸŋ Ōŋ 2ş TS
.ȧǿäǜ ɹζö ǰǪʢ ÜǻƎȄö

.°ÿ69.2 ȸʒ ǬǑǩ ɟ :**Congealing temperature** ǼȡDzǪöä ǦDZǿǻ

.ȟ/ŋŸŋ 1.0 ȸʒ ǼʢÂʢ ɟ :**Sulfated ash** ǨÂŸÊţä ǻÂŋǞöä

.0.05 ȸʒ ǼʢÂǩ ɟ (150 ǦȞÂÔöä Û1 ǼŸǑä) :**Acid value** ȐȶΣä ǤȶȄę

ØØØØØ

Calcii hydrogenophosphas

Calcium hydrogen phosphate !ǋĭƨǁƑǀǁǁ ǄĭǇǋƥǫĭǈǰ ǀƑƻƨǋǰ

Calcium hydrogen phosphate, anhydrous ƗōƑǤǆǘ!ƒ ǄǍō˥!Ǥǂ!ƒ ǇōŋǍƧƥōǋ ƘǤƽ˥Ǎ5

Calcium hydrogen phosphate, dihydrate Ƙƒ Ƨƥōǌ!ƒ ƗōƑǤǈ ǄǍō˥!Ǥǂ!ƒ ǇōŋǍƧƥōǋ ƘǤƽ˥Ǎ5

$CaHPO_4$ (anhydrous)

$CaHPO_4,2H_2O$ (dihydrate)

.(ğäǿǼŢä ǦȄəÂǭ) 172.1 Û(ǦȄəÂŋŸöä) 136.1 :**Relative molecular mass** ǦȄǤÊǞöä ǦȄÂÂƨä ǦŸǪȮöä

:**Chemical name** ɄəÂȶȄȮöä ǈèɟä

Calcium phosphate (1:1); CAS Reg. No. 7757-93-9 (anhydrous).

Calcium phosphate (1:1) dihydrate; CAS Reg. No. 7789-77-7 (dihydrate).

.âÂèɉä ǦȄəÂǭ ÿζȄÊöÂȮöä ğÂÂèζζ :**Other name** ǞǹǗ ǈèä

.ǦȞəäǞöä ǠǼʒ ÜǸǤǞǑǩ ȐȄǽǜ şǜ ȐȄǽǜ Ƀǿζŷǽ ȧζȞÊŋ :**Description** Ȥòζöä

.ǦÂǺÁţä ôζȶΣä Ž āäşǽ ÜTS (ȯ/ȟ750~) ȯζφǯʢɋäş ǻǿǤǞöä ǒÂţä Ž ǼȄŸȶʒ āäşǽ ɟ :**Solubility** ǦȄφÂǽşǾöä

. îäÂęǜş ğɟζÊǤõ ȤǻƯ :**Category** ǦÂÂöä

.ǼǼDZ ǦǑŸȣŋ ǤʢşÂǵ Ž ÿζȄÊöÂȮöä ǨDZşǿǼȽ ğÂÂèζζ ȘÂǵ Ǽƶ :**Storage** ȸʢÂǺǪöä

ɄəÂŋ ɟ ŌȮÎǽ ģǻÂţä ǨφÂõ äǽǜ Âŋ ÿζȄÊöÂȮöä ǨDZşǿǼȽ ğÂÂèζζ ǦʢşÂǵ ƻŸʒ ȸǫǤǂ ɹǜ Ǽƶ :**Labelling** ǈȄèζǪöä

.ğäøÆΈΤä ƟəÀĀϙ şǕ

REQUIREMENTS ƘǦħǚƱƙdž!ƒ

ţζDZÀöä ǦæζÊΤ ǕÿζΈÊöÀÒöä ȸŋ %31.7 ȸ3 ÆÂÂ ɍş %30.9 ȸ3 ŌŌΛ ɍÀŋ ÿζΈÊöÀÒöä ƘDZşøÆΈŁ ğÀÀèζζ ɃζϘƠ
.ǥÆŋÀţä ǥåÀţä ɃǕ

Identity testes ƕĭŇjŅǁƐ ľƐƥƑǦƗǪƐ

ȸŖÅÊłş ŏÀţä ȸŋ Ōŋ 10ş TS (ȯ/ȟ70~) ŌΛøζŸŏşøÆΈΤä ȐƤ ȸŋ Ōŋ 10 ȸŋ ǰΛÂŋ ȢÀȒΛ ȟ 0.2 ɃǕ :A
ŌDZɉ ƟęÀǦöÀæ ȘÀϘĦŀ) TS (ȯ/ȟ100~) ÀΈϙζŋɉä ȸŋ Ōŋ 2.5 ȢÀȒΛ ȯζŸǂä äØŁ ȸŋ Ōŋ 10 ɃǕ .ɈÀæşØöä ʔøϘǵ
"General identification tests ǦŋÀȞöä ȢäÀȞϘèɍä ğäøÀǦϘǹä" ɈäζΛ3 ĶƠ Ȣζòζţä A Ō3ÀÀϘöä ƟÛȞΛ Ǖ(B øÀǦϘǹɍä
.(120 ǦĦÀÔöä Ǖ1 ÆŸŎä) ÿζΈÊöÀÒŸö ÂƀŧŧŐ

ĶƠ Ȣζòζţä A Ō3ÀÀϘöä ƟÛȞΛ ǕTS (ȯ/ȟ130~) ŌΛÀϘÀöä ȐŧǁΙ A øÀǦϘǹɍä ȸŋ ƟęÀǦöä ȯζŸǂä ȐŧĦŀ :B
.(122 ǦĦÀÔöä Ǖ1 ÆŸŎä) ğÀÀèζζζϘøşϘö ÂƀŧŧŐ "General identification tests ǦŋÀȞöä ȢäÀȞϘèɍä ğäøÀǦϘǹä" ɈäζΛ3

ȐƤ ȸŋ Ōŋ 10 Ž āäØΛ ȟ 1.0 ÿÆÅϘÊΛ øÀǦϘǹɍä ȯζŸΤ ƘȒĦϘö :**Heavy metals** ǦŸΈŌǯöä ɈåÀȞţä
.ǦæÀèƀ ŌȮÎϘǩ ʔøϘǵ TS (ȯ/ȟ100~) ÀΈϙζŋɉä ȢÀȒǩş ǕǥøşÀȒöä ÆΛ3 ǴǹÀŀ ǕTS (ȯ/ȟ70~) ŌΛøζŸŏşøÆΈΤä
ζŁ ÀŧŐ ǦŸΈŌǯöä ɈåÀȞţä ȸŋ ʔζϘǂä ƘȞΛş ǕÙŌζ ǦæÀèÀöä Ǧæäæq ƟÀȮΛ Àŋ (ȯ/ȟ10~) ŌΛøζŸŏşøÆΈΤä ȐƤ ȢÀȒŀ
Ǖ1 ÆŸŎä) A ǦŌΛÀÛöä "Limit test for heavy metals ǦŸΈŌǯöä ɈåÀȞţä ŌDZɉ ɃÆΣä øÀǦϘǹɍä" ɈäζΛ3 ĶƠ Ȣζòζŋ
.ȟ/ÿäÀɖşÀȮŋ 40 ȸ3 ÆÂÂ ɍ Ǖ(128 ǦĦÀÔöä

ζŁ ÀŧŐ 3æÀϘΛş TS (ȯ/ȟ70~) ŌΛøζŸŏşøÆΈΤä ȐƤ ȸŋ Ōŋ 35 Ž ȟ 1.0 ȯζŸΤ ÿÆÅϘÊΛ :**Arsenic** ǸΈϙøÂöä
ÆÂÂ ɍ Ǖ(130 ǦĦÀÔöä Ǖ1 ÆŸŎä) "Limit test for arsenic ǸΈϙøÂöä ŌDZɉ ɃÆΣä øÀǦϘǹɍä" ɈäζΛ3 ĶƠ Ȣζòζŋ
.ȟ/ÿäÀɖşÀȮŋ 3 ȸ3 ǸΈϙøÂöä ʔζϘΤ

ȢÀȒŀş ǕǥøşÀȒöä ÆΛ3 ǴǹÀŀ ǕTS (ȯ/ȟ70~) ŌΛøζŸŏşøÆΈΤä ȐƤ ȸŋ Ōŋ 10 Ž ȟ 1.25 āäØΛ :ÿζΛøÀǦöä
Ǧææq ƟÀȮΛ Àŋ TS (ȯ/ȟ70~) ŌΛøζŸŏşøÆΈΤä ȐƤ ȢÀȒΛ ǕǦæÀèƀ ŌȮÎϘǩ ʔøϘǵ TS (ȯ/ȟ 100~) ÀΈϙζŋɉä
ɃǕ ȢÀȒΛ ǕŌŋ 10 ƘŸæÀŌϘŋ ŌÔζ ƟøæζǦϘǕ ȸŋ āζǦϘǕ ŌŐ Ž ƔÔÀÀŋ 3ȓζΛ .Ōŋ 25 ɃǕ ŏÀţÀæ ΖÀƩş ǕÙŌζ ǦæÀèÀöä
ƘÀζÀȮϘŋ ɈɍζŸǂä ʔŌǦΛ ǕŏÀţä ȸŋ Ōŋ 0.5 ÀǹǿäɃǕş ǕTS (ȯ/ȟ100~) ŌΛøζÀŸÊöä ȐƤ ȸŋ Ōŋ 0.5 ȯşɉä ŏÂƨä
.ǦŌΈęå 15 ÆȞæ ÀŧΤϘÀÀȞŋ ʔÆŏ

ŌΛøζŸȮöä ȐƤ ȸŋ Ōŋ 2ş R ɈζæÀȮöä ÆΈÊŏǕ ƟəÀĀϙ ȸŋ ɃÀƪä ŏÀţä ȸŋ Ōŋ 5 ȢÀȒΛ ȟ 1 ɃǕ :ğÀϙζæÀȮöä
.ɈäøζζϘÆ3 ɍ ǕǯÀŀş TS (ȯ/ȟ420~)

[illegible] 20 [illegible] TS [illegible] 130~) [illegible] 2 [illegible] 0.1 [illegible]
[illegible] (124 [illegible] 1 [illegible]) "Limit test for chlorides [illegible]"
[illegible] 2.5 [illegible].

[illegible].

250~) [illegible] 2.0 [illegible] 20 [illegible] 2.0 [illegible]
[illegible] magnetic stirrer [illegible] TS [illegible]
[illegible] 100 [illegible] TS [illegible] 250) [illegible] 50 [illegible]
[illegible] 2± [illegible]
[illegible] 5 [illegible]
[illegible].

[illegible] 20 [illegible] R [illegible] 1.1052 [illegible]
[illegible] 100 [illegible] TS [illegible] 250) [illegible] 50 [illegible]
[illegible] TS [illegible] 250) [illegible] 50 [illegible] 100)
[illegible] 100 [illegible] TS [illegible] 250~) [illegible] 2 [illegible]
[illegible] 15 [illegible]
[illegible] 500 [illegible] 300 [illegible] 100 [illegible] 100 [illegible] 5 [illegible]
5 [illegible] 1.0 [illegible] 0.5 [illegible] 0.2 [illegible] 0.1 [illegible] 100)
[illegible].

[illegible]
50 [illegible]
[illegible].

[illegible] TS [illegible] 70~) [illegible] 5 [illegible] 0.10 [illegible]
[illegible] (125 [illegible] 1 [illegible]) "Limit test for sulfate [illegible]"
[illegible] 5 [illegible].

[illegible] 10 [illegible] 40 [illegible] 5 [illegible]
[illegible] 100 [illegible] TS [illegible] 420~)
[illegible] 105 [illegible]

.ȟ/ŊŸŋ 2 ȸʒ ǼɅÂǩ ɟ

ŎȮȊöä ǼŎÀɅ .°ÿ 825ȿ 800 ƙǽ ǳȿäÀǬǩ ǥǿäÀǵ ǦǱǿǻ Ž ǦǬǽǬ ǦŸǬȭ ƂǕ ȟ 1.0 ǼȠÀƚ :(ŎǯȞȊǬöä) ǼȠŋÀǬöÀǽ ǼŎÀöä
ȸʒ ŎŎɅ ɟ Àŋ ǼŎÀǯʐ ǧäǿǼǯȚä ȹəÀǬ ŎȮȊöä Àŋǔ .ȟ/ŊŸŋ 85 ȸʒ ǼɅÂɅ ɟȿ ȟ/ŊŸŋ 66 ȸʒ ȬŎɅ ɟ Àŋ ȹəÀŋŸöä
.ȟ/ȟ0.265 ȸʒ ǼɅÂɅ ɟȿ ȟ/ȟ0.245

ȭɅǿʐŸȭȿǿǼǯȚä ȐƥȸŋŎŋ 1 ȸŋ ǰɅÂŋ ȣÀȒɅ ÛǦǯùʐǦȒŋ ǦǫȿàʐŋÛȟ 0.2 ǦǽäÀȩ ƂǕ :**Assay** ǦȆɅÀŎȶä
ǥÀɅÀȞȶä ʒǽÀǬƚ .ǒÀȶä ȸŋ Ŏŋ 125 ȣÀȒɅȿ ÛɈÀǽȿǾöä ǫäǼǵɋ ȤÛŸǽ ƙǺȆǬöä ÿǼǺǬȆɅ ÛöÀŋ Ŏŋ 5ȿ TS (ȯ/ȟ420~)
.(138 ǦȞÀȎöä Û1 ǼŸŎä) ÿʐǯȆöÀȮöä ŎǱɉ "ǧäǼŎȞȶä âÀǯŎŋ ǥÀɅÀȞȶä" ɉäʐɅʒ ǨƠ ȣʐòʐŋ ʐȽ Àȶȭ
.Ca ȸŋ ŊŸŋ 2.004 ùʐÀȮɅ VS (ȯ/ȯʐŋ 0.05) ÿʐɅǻʐȎöä ȹəÀǬ ǧÀǬɅǼɅǔ ȸŋ Ŏŋ 1 Ŏȭ

ØØØØØ

Calcii phosphas

Calcium phosphate !ǋǐƨǁǀǁ ǀƑƨƨǋǆ

ØöäȿȲ Ca$_3$(PO$_4$)$_2$ Øöä ʔŸʒ ȯȿɉä ÿÀŎȶä Ž Ƀʐǫʒ ǰɅÂŋ ȾȽ ÿʐǯȆöÀȮöä ǧÀÀèʐʐ :**Composition** ǢǯȭÀǬöä
.ÀȞŋ CaHPO$_4$

:**Chemical name** ȹəÀǯȶǯȮöä ȴèɟä

Calcium phosphate (3:2) mixture with calcium phosphate (1:1);
CAS Reg. No. 7758-87-4 [Ca$_3$(PO$_4$)$_2$]; CAS Reg. No. 7757-93-9 (CaHPO$_4$).

.âÀèɉä ǦǯǬŸǬ ÿʐǯȆöÀȮöä ǧÀÀèʐʐ :**Other name** ÀǹǕ ȴèä

.ÀǦÀÀŎǩ ǦȞəäÀöä ǼǼʒ ȿǕ ǦȞəäÀöä ǼǼʒ ÛȒǯǽǕ ɃǿʐŸǽ ɟ ȧʐȞȆŋ :**Description** ʐòʐöä

Ȑƥ Ž āäȿǽ ÛTS (ȯ/ȟ750~) ȯʐǬÀǯɅɋä Ž ɟȿ ǒÀȶä Ž āäȿǽ ɟ ÀǯŸȶʒ :**Solubility** ǦǯǫÀǽȿǾöä
.TS (ȯ/ȟ130~) ȭɅÀǬÀöä Ȑƥȿ TS (ȯ/ȟ70~) ȭɅǿʐŸȭȿǿǼǯȚä

. ȋäÀȩǕ ʐǫÀƚ :**Category** ǦÀÀöä

.ÀǼǯǱ ǦŎŸȣŋ ǦɅȿÀǵ Ž ÿʐǯȆöÀȮöä ǧÀÀèʐʐ ȘÀǵ Ǽʑ :**Storage** ȸɅÂǺǬöä

ǥȿäǼǫ ʔʐǬȚ ŊŸǦɅ Û%65ȿ %15 ƙǽ ǦǯǦȆǫ ǦǽʐùǿŽ :**Additional information** ǦǯʐÀȓǕ ǧÀŋʐŸȞŋ
ɈʐȮǩ %75 àȿÀǱʐǬǩ ȹØǬöä ǦǽʐùÀöä Ž ȸȮöȿ Û%2 ǦǽäÀȩ °ÿ 25 ǦǱǿǼȆöÀǽ equilibrium moisture contentɈàäʐǬöä
.ǥƘȣò ǦȎǬȶȶä ǦǯʐÀȓɋä ǥȿäǼÀöä ǦǯȽȭ

REQUIREMENTS ƘǦǐǁƱƙǳ!ƒ

ţ ʐǅÀǒÀǽ Ǧǽʐ ÊŢ ÛCa Ûÿʐ ĒÊǒÀÒǚ ȡŋ %40.0 ȡȝ ǼÂÂ ɍş %34.0 ȡȝ ǑÕ ɍÀŋ ʔŸȝ ÿʐ ĒÊǒÀÒǚ ğÀèʐʐ Ƀʐ ǬƠ
.(ǦŸ Î ţǚ) ǥǼŋÀţǚ ǥåţǚ ƂÜ

Identity testes ɦǐǸǰǇǁɛ ƖɛƥǤƗƢɛ

ǒÀţǚ ȡŋ Ōŋ 4 ȣÀŔş ƵĒÛŸǚ ƘÁÊǬǒǽ TS (ȯ/ȟ70~) ȭǾǿʐŸȭşǿǼŢǚ Ȍ ƥ ȡŋ Ōŋ 1 Ž ȟ 0.05 ǟǚǾ :**A**
General ǦŋÀȞǚ ȣǚÀȞǬèɍǚ ğǚǿÀǦǬǹǚ" ȷǚʐȝ ǨƠ ȣʐǒʐţǚ A ŎȝÀǬǚ ɄÛȞ .R ÿʐáʐÔǚ ğǬĒèÜ ȡŋ ȟ 0.5ş
.(120 ǦȞÀÔǚ Û1 ǼŸŎǚ) ÿʐĒÊǒÀÒŸǚ ÂƀƭƭȰ "identification tests

A ŎȝÀǬǚ ȯʐŸǂǚ ǚǾȽ ɄÛȞ ÛƵÛŸǽ ȡǻÊş TS (ȯ/ȟ130~) ȭǾÀǬǚ Ȍ ƥ ȡŋ Ōŋ 2 ȣÀŔ ȟ 0.5 ƂÜ :**B**
ǼŸŎǚ) ğÀèʐʐʐǭǿşǬǚ ÂƀƭƭȰ "General identification tests ǦŋÀȞǚ ȣǚÀȞǬèɍǚ ğǚǿÀǦǬǹǚ" ȷǚʐȝ ǨƠ ȣʐǒʐţǚ
.(122 ǦȞÀÔǚ Û1

Ȍ ƥ ȡŋ Ōŋ 10 Ž ǟǚǾ ȟ 1.0 ÿǼÁǬÊ ǿÀǦǬǹɍǚ ȯʐŸŢ ƘȒȞǬǚ :**Heavy metals** ǦŸĒȭǯǚ ȷåȞţǚ
ǦŸĒȭǯǚ ȷåȞţǚ ȡŋ ʔʐǬǂǚ ȡǞȞł .ǯÀƹş ÛǒÀţǽ Ōŋ 40 ƂÜ ƵÀƩ ÛáƎ ÛʔŸȣş ȡÁÊ .TS (ȯ/ȟ70~) ȭǾǿʐŸȭşǿǼŢǚ
A ǦȭÀÛǚ "Limit test for heavy metals ǦŸĒȭǯǚ ȷåȞţǚ ŌǅɉɃǼƩǚ ǿÀǦǬǹɍǚ" ȷǚʐȝ ǨƠ ȣʐǒʐŋ ʐȽ Àƭȭ
.ȟ/ÿǚÀȡşÀÒŋ 30 ȡȝ ǼÂÂ ɍ Ü(128 ǦȞÀÔǚ Û1 ǼŸŎǚ)

ʔǿǬǵ ȡÁÊ ÛTS (ȯ/ȟ70~) ȭǾǿʐŸȭşǿǼŢǚ Ȍ ƥ ȡŋ Ōŋ 35 Ž ȟ 3.3 ȯʐŸŢ ÿǼÁǬÊ :**Arsenic** ǸĒǭǿÂǚ
Û1 ǼŸŎǚ) "Limit test for arsenic ǸĒǭǿÂǚ ŌǅɉɃǼƩǚ ǿÀǦǬǹɍǚ" ȷǚʐȝ ǨƠ ȣʐǒʐŋ ʐȽ Àƭȭ ȝǚÀǬş ȷÀǽşǾǚ
.ȟ/ÿǚÀȡşÀÒŋ 3 ȡȝ ǸĒǭǿÂǚ ʔʐǬŢ ǼÂÂ ɍ Ü(130 ǦȞÀÔǚ

ȭǾǿʐŸȭşǿǼŢǚ Ȍ ƥ ÛǥÀÛȩ ÀǭÜ ǥÀÛȩ ÛȣÀŔş ÛȡÁÊł ÛǒÀţǚ ȡŋ Ōŋ 10 Ž ȟ0.5 ǟǚǾ :**Barium** ÿʐǾǿÀǦǚ
ȡŋ Ōŋ 1 ǦǵÀǐÀǚ ƂÜ ȣÀŔş ÛǴǐÀł ÛȌƭƩǚ ȡŋ ȷÀǨÀÛȩ ǼÀǚ ȣÀŔ .ȯʐŸǂǚ ÀǭǬ ʔǿǬǵ ÛTS (ȯ/ȟ420~)
.ǦȭĒȩá 15 ȯŸǹ ÀÒȝ ÀǮŢ ɍ ÛTS (ȯ/ȟ0.1) ÿʐĒèÀǩʐǦǚ ğÀŸè

10 ǒÙǦǽ ȣÀŔş R ȷʐǽÀÒǚ ǼĒÊȭÜ ɄǝÀǬ ȡŋ ƂÀȴǚ ǒÀţǚ ȡŋ Ōŋ 30 Ž ȟ 5 ȨǞȞł :**Carbonates** ğÀǬʐǽÀÒǚ
Ƙȡ åǚʐţǚ" ŌǅɉɃ ȯʐŸǂǚ ȘÀȝ) .ƵĒÀǹ ȷǚǿʐʐ ȡŋ ÀǯȭÜ ȘǵŸ ɍ ÜTS (ȯ/ȟ70~) ȭǾǿʐŸȭşǿǼŢǚ Ȍ ƥ ȡŋ Ōŋ
.("Ȍ ƭƩǚ Ž Ǧǽǚ şǾǚ

ȡŋ Ōŋ 20ş TS (ȯ/ȟ130~) ȭǾÀǬǚ Ȍ ƥ ȡŋ Ōŋ 2 ȡŋ ǰÀŋ Ž ȟ 0.2 ǟǚǾ :**Chlorides** ğǚǼǿʐŸÒǚ
Û1 ǼŸŎǚ) "Limit test for chlorides ğǚǼǿʐŸÒǚ ŌǅɉɃǼƩǚ ǿÀǦǬǹɍǚ" ȷǚʐȝ ǨƠ ȣʐǒʐŋ ʐȽ Àƭȭ ȝǚÀǬş ÛǒÀţǚ
.ȟ/ŋŸŋ 1.4 ȡȝ ǼǿʐŸÒǚ ȡŋ ʔʐǬǂǚ ǼÂÂ ɍ Ü(124 ǦȞÀÔǚ

.(ǦĒÒǬèŸǽ ğÀşÀǵ Ž ŌĒǒÀǂǚ ȝĒƤ ȷÀÁǩş ÀȒȞł :ǦŢǵŸŋ) :**Florides** ğǚǼǿʐŸÀǚ

250~) ÕÂøźŸÕşøÆŒTä Ȑ þ ȸ Ǭ 3ş ŏÅţä ȸ Ǭ 20 ȣÅȒÂ Ûȧøşǻ ȸŧȓ øÅǪǹɍä ǦÆ3 ȸ ȟ 2.0 ȷäźÂ ā şǾǩ ɂøǪǵ ȭÅHł ÛÕǢȣ ɄÒŒǪèŸä ÕÂÀƠ ÆŒȒęş magnetic stirrer ɄÊŒùÅȣ ȭÅȚ ÿäÆǺǪèÅä .TS (ȯ/ȟ âÅÊǵ ɁÀÊȠ ÿÆǺǪÊÂ .ŏÅţÅä Ǭ 100 БǗ ȤȧǺş TS (ȯ/ȟ250) ÿźÂǻźÔöä ǧäÅǪŒè ȸ Ǭ 50 ȣÅȒÂ Ż .ǦÆȞöä Ǩöźź ɄŸŒȠ 2± ÆÂÆHǪö ǬäÅę ÆȚǄ âÅŒǬ БǗ ǦöźȍźȠ ÛǦȒÀöä ÆÂøźŸÕ/ǦȒź ɄȞǄÅȠ ɁÀÊȠ ǦŸƤş ÆÂøźŸÀöä ǧÅφźÂɋ .Ǩöźź ɄŸŒţÅä ÆȚɀä ǙÀǬłş ȨəÅęǻ 5 ǵÆȠ ȭÅȜ ÛöźŸǂä Ž ȥǤę ǦÅÀǑäş ǦźźÛÎţä ɃøÅÊţä ǬȠÆŀ .ǺÂÆŒöźǩ ɂøφǻǗ ÆHǓ Ǭ 20 БǗ .ÀǪö ɄŸŒţä Ž R ÿźÂǻźÔöä ÆÂøźŸź ȸ ȠŸȠ 1.1052 ɃźǪȜ ÆÂøźŸÀöä ǧÅφźÂǗ ȸ ɃøÆȞȠ ȯźŸȚ ÀȒHł Ǭ 100 ȝÅǪφɋ ŏÅţä ȸ ǦŒźÅÕ ǦŒŧÒä ȤÅƩş TS (ȯ/ȟ250) ÿźÂǻźÔöä ǧäÅǪŒè ȸ Ǭ 50 ȣÅȒÂ ȯźŸǂä äǾȽ ȸ Ž TS (ȯ/ȟ250) ÿźÂǻźÔöä ǧäÅǪŒè ȸ Ǭ 50 ȜȓźÂ ÛɃøÅŒȟţä ɂøÆHÀţä øäÀǬǪèä ǬǄɉ .(Ǭ/F ÿäÀȡşÀÒȠ 100) źȽ Åŧǒ ȭÅHł .ŏÅţÅä Ǭ 100 БǗ ȤÅƩş TS (ȯ/ȟ250~) ÕÂøźŸÕşøÆŒTä Ȑ þ ȸ Ǭ 3 ȣÅȒÂ Ûȧøşǻ ǦŒÂȠä ǬȍäźźŽ ȣÅȒÂş ÕÂÀHǪöä ȜäÅǪÂ .Ǩöźź ɄŸŒţÅä ÆȚɀä ǙÀǬłş ÛɃøÅÊţä ǬȠÆŀ .ǦǬŒęǻ 15 ǵÆȠ ȀÅφǗ ȣźȍźȠ ǧÅφźÂǗ ȯźŸȚ ȸ ÀǪöşÀÒȠ 500ş ÀǪöşÀÒȠ 500ş ÀǪöşÀÒȠ 300ş ÀǪöşÀÒȠ 100ş ÀǪöşÀÒȠ 100 ȨəÅęǻ 5 ÅȚÂȠ Ǭȭ ÛǬȠ/ÿäÀȡşÀÒȠ 1.5ş 1.0ş 0.5ş 0.2ş 0.1 ɄŧǒäÀǩ ÆÂøźŸź ÂŒǒÀǪö ùźÅÒȠ Û(ǬȠ/F ÿäÀȡşÀÒȠ100) ɃøÅŒȟţä ÆÂøźŸÀöä
.ÆȚɀä ǬäÅǬȠ ÆÂøźŸÀöä ǧÅφźÂɋ ɄŧǒäÀǩ ÂŒǒÀǩ Ǭȭ ȽǾøÅȡźö ÙǪǺł ÛǦźÅȓǗ Ǭȭ ȸ ȨəÅęǻ 5 ÆȞä ÆȚɀä ǙÀǬłş ǦǬäźţä Ǩöźź ɄŸŒţä ȽŒǬö ɃøÅŒȟţä ɄøÆHÅţä ȸ ȼǩöäÀǬä ȋźHÅţä ȯźŸǂä Ž ÆÂøźŸÀöä ǧÅφźÂǗ ÂŒǒÀǩ ȸȞł 75 ȸȜ ÆÂÂÂ ɍ ǗǦÆȞöä Ž ɁźǪǂä ɂŸȜ ȯźÔHŸö ǵæźǹǖţä ǦÆȞöä ǦŸǪǒ ɂŸȜ ȽÊǬÂş ÛǬȠ/F ȸ ÿäÀȡşÀÒŧŸö
.ȟ/ÿäÀȡşÀÒȠ

ȣźȍźȠ źȽ Åŧǒ ȜäÅǪÂş TS (ȯ/ȟ70~) ÕÂøźŸÕşøÆŒTä Ȑ þ ȸ Ǭ 5 Ž ȟ 0.1 ā äǾÂ :**Sulfates** ǧÅŸÊöä ɁźǪȚ ÆÂÂÂ ɍ Ǘ(125 ǦHÅÔöä Û1 ÆŸǑä) "Limit test for sulfates ǧÅŸÊöä ǬǄɉ ɃÆƩä øÅǪǹɍä" ȷäźÂȜ ǨƠ
.ȟ/ȠŸȠ 8 ȸȜ ǧÅŸÊöä

ǬÊȣǩ Û"ǧÅφźäÀÒöä" ǬǄɉ ÀȒɋä ȯźŸǂä ǴǹÀł :**Acid-insoluble substances** ȐŧƩä Ž Ǧäşǿöä Ƙȡ ǻäźţä
.(%0.3) ȠŸȠ 15 ȸȜ ǦöÅŧȝöä ȷäş ÆÂÂÂ ɍ Ǘ°ÿ 105 ǦǄøÆöÅä ǦǪäÅǪ ǦŸǪǒ БǗ ȤÅƶş ÛöÅţÅä ǦöÅŧȝöä

ÆȭÀöä ȷźÒÂ ɍ ǗǦǬŒęǻ 30 ǵÆȠ °ÿ 800 ǦǄøÆöÅä ȟ 1.0 ÆȠÀł :**Loss on ignition** (ǬȞÎǪöä) ÆȠÀǪöÅä ÆȭÀöä
.ȟ/ȠŸȠ 80 ȸ ÀȝǬǗ

ÕÂøźŸÕşøÆŒTä Ȑ þ ȸ Ǭ 5 ȸ ȷÂȠ ȣÅȒÂ ÛǦŒùźǤȒȠ ǦφşȁźȠ Ûȟ 0.15 ǦäÅę БǗ :**Assay** ǦÊÂÅǬţä źȽ Åŧǒ ȜäÅǪł .ŏÅţä ȸ Ǭ 125 ȣÅȒÂş ÛȷÅşǾöä ϙäÆǵɋ ȤŒÛŸöä ƘǺÊǪöä ÿÆǺǪÊÂ ÛǑÅȠ Ǭ 3ş TS (ȯ/ȟ420~) ȣźȍźȠ ǨƠ ȷäźÂȜ "ǧäÆȞţä âÅŒǬ ǵÂÅȟţä" ǬǄɉ ÿźŒÊÅÒöä (138 ǦHÅÔöä Û1 ÆŸǑä).
.Ca ȸ ȠŸȠ 2.004 ùźÅÒÂ VS (ȯ/ȯźȠ 0.05) ÿźÂǻźÔöä Ʉəǻ ǧÅǪÆÂǗ ȸ Ǭ 1 Ǭȭ

ØØØØØ

Calcii stearas

Calcium stearate [illegible]

$(H_3C—[CH_2]_{16}—CO_2)_2Ca$

$C_{36}H_{70}CaO_4$

[illegible]

:Chemical name [illegible]

Calcium stearate; calcium octadecanoate; CAS Reg. No. 1592-23-0.

[illegible] **:Description** [illegible]

.R [illegible] R [illegible] TS (ò/ȟ 750~) [illegible] **:Solubility** [illegible]

[illegible] **:Category** [illegible]

[illegible] **:Storage** [illegible]

[illegible] **:Additional information** [illegible]

REQUIREMENTS [illegible]

[illegible] CaO [illegible] %10.5 [illegible] %9.0 [illegible]

Identity testes [illegible]

[illegible] TS (ò/ȟ420~) [illegible] 5 [illegible] 25 [illegible] 1 [illegible] :A
[illegible]
.(120 [illegible] 1 [illegible]) [illegible] "General identification tests [illegible]

[illegible] TS (ò/ȟ100~) [illegible] 60 [illegible] 200 [illegible] 25 [illegible] :B
[illegible] 20 [illegible] 105 [illegible]
.°ȳ 54

[illegible] **Loss on drying**: [illegible] 105° [illegible] 40 [illegible].

[illegible] **Assay**: 1.2 [illegible] 50 [illegible] (0.1 [illegible]/[illegible]) [illegible] 10 [illegible] VS [illegible] (1 [illegible]/[illegible]) VS [illegible] "Complexometric titrations" [illegible] (138 [illegible] 1 [illegible]).

1 [illegible] (0.05 [illegible]/[illegible]) VS [illegible] 2.804 [illegible] CaO.

ø ø ø ø ø

Calcii sulfas

Calcium sulfate [illegible]

$CaSO_4,2H_2O$

Relative molecular mass [illegible]: 172.2

Chemical name [illegible]:

Calcium sulfate (1:1) dihydrate; CAS Reg. No. 10101-41-4.

Description [illegible]: [illegible].

Solubility [illegible]: [illegible].

Category [illegible]: [illegible].

Storage [illegible]: [illegible].

REQUIREMENTS [illegible]

[illegible] 98.0% [illegible] 101.0% [illegible] $CaSO_4$ [illegible].

Identity testes ƕĭŇǰŇǁǫ ƖǫƥƑǴƇƗǫ

.TS (ȯ/ȟ420~) ǬƖǿǭǛǒşǿǼƵŢ Ȁ ƥş ŏȦţ ȸȵ ǴǒǻȦȞǬȵ ȳǭǅǵ ǯȂȵ ȀȒǂ ȯǭǛǂ ȸȵ Ǭȵ 20 Ž ȟ 1 ǡǿƖ

:ƙǭȯȦǬǒ ȸƖǿȦǤǬǹǂ Ž ȯǭǛǂǡǿȽ ȳǼǺǬȆƖ .ǵǿşȀǒ Ǽȝ ǴǐȦş ǛǻƎƖ ǛƙǬǬǫǻ ǵǼȵ ȷȦƐ8ǒ ʡøǬǵ ȸǺȆƖ

"General identification tests ǦȵȦȞǒ ȢǡȦȞèǂ ǧǡǿȦǤǹǡ" ȷǡǭȝ ǨƠ Ȣǭǔǭţ Ǭȝ ȦȦǬǒ ȯǭǛǂ ɄǛȞƖ :A

.(120 ǦɄȦȎǒ Ǜ1 ǼǛǑǡ) ȳǭƐȆȦȮǛ ȦƐţƭȭ

ȦƐţƭȭ "General identification tests ǦȵȦȞǒ ȢǡȦȞèǂ ǧǡǿȦǤǹǡ" Ȣǭǔǭţ Ǭȝ ȦȦǬǒ ȯǭǛǂ ɄǛȞƖ :B

.(123 ǦɄȦȎǒ Ǜ1 ǼǛǑǡ) ǧȦȦƐȆǛ

ǬƖǿǭǛǒşǿǼƵŢ Ȁ ƥ ȸȵ Ǭȵ 20ş ŏȦţ ȸȵ Ǭȵ 10 ȢȦȒƖ ȟ 1.0 Ƃǘ :**Heavy metals** ǦǛƐǬǯǒ ȷǻȦȞţ

ǿȦǤǹǂ" ȷǡǭȝ ǨƠ Ȣǭǔǭȵ ǭȽ Ȧƭȭ ŏȦȽȦǤǒ ǴɄȎǨş ǛǻȦǬ ǛȷȦşǾǒ ʡøǬǵ ȷȦƐ8ǒ Ǽȝ ȸǺȆƖ ǛTS (ȯ/ȟ70~)

ȸȵ Ɂǭǂ ȸǶǨ Ǜ(127 ǦɄȦȎǒ Ǜ1 ǼǛǑǡ) 1 ŏǡȦǄǭǫ "Limit test for heavy metals ǦǛƐǬǯǒ ȷǻȦȞţ ǬǄɉ ɃǼƩǡ

.ȟ/ȳǡȦȡşȦȮȵ 20 ȸȝ ǼƖȦƖ ǂ Ǜ(128 ǦɄȦȎǒ Ǜ1 ǼǛǑǡ) A ǦǬƖȦǛǛ ȞǦǨ ǦǛƐǬǯǒ ȷǻȦȞţ

ǬƖǿǭǛǒşǿǼƵŢ Ȁ ƥ ȸȵ Ǭȵ 5ş ŏȦȵ Ǭȵ 45 ȸȵ ǰƖȦȵ Ž ȟ1 ǡǿƖ :**Clarity of solution** ȯǭǛǂ ŏȦȦǑ

.ǞǭȦǑ ȯǭǛǂ ȷǭȮƖ ǛȨǝȦȩǻ 5 ǵǼȵ ºȳ 50 ǦǄǿǼǣ ȸǺȆƖ ǛTS (ȯ/ȟ420~)

ȸȝ ǼǬȦǒ ǬǬƖ ǂ Ǜºȳ 250 ȸȝ ǬǬǨ ǂ ǵǿǡȦǵ ǦǄǿǻ Ž ǦǬǣȦǭ ǦǛǬǭ Ƃǘ Ȥǡz :**Loss on drying** ȤǼȦǄǭǬȦǣ ǼǬȦǒ

.ȟ/ȠǛȵ 230 ȸȝ ǼƖȦƖ ǂş ȟ/ȠǛȵ 190

Ȁ ƥ ȸȵ Ǭȵ 6ş ŏȦţ ȸȵ Ǭȵ 100 ȸȵ ǰƖȦȵ ȢȦȒƖ ǛǦƐùǭǦȒȠ Ǧǿşǡǭȵ Ǜȟ 0.3 Ǧǡǡȩ Ƃǘ :**Assay** ǦȆƖȦǬţ

Ȣǭǔǭȵ ǭȽ Ȧƭȭ ǵȦƖȦȞţ ǯǡȦǬƚ ǛǻƎƐǬ ǬȦǬƖş ǛȷȦşǾǒ ʡøǬǵ ȷȦƐ8ǒ Ǽȝ ȸǺȆƖ ǛTS (ȯ/ȟ70~) ǬƖǿǭǛǒşǿǼƵŢ

.(138 ǦɄȦȎǒ Ǜ1 ǼǛǑǡ) ȳǭƐȆȦȮǒ ǬǄɉ "Complexometric titrations ǧǡǼǬȞţ ǡǼǬȵ ǧǡȦƖȦȞţ" ȷǡǭȝ ǨƠ

.$CaSO_4$ ȸȵ ȠǛȵ 6.807 ùǭȦȮǨ VS (ȯ/ȯǭȵ 0.05) ȳǭƖǻǭȎǒ ɄǝȦǬ ǧȦǬƖǼǛ ȸȵ Ǭȵ 1 Ȯȭ

ØØØØØ

Carbomerum

Carbomer ƥǏǄǰǴƥǁǫ

ǯȵ ǵȦƭǛǤǒ ǬȦǬǏȵ ǬƐǂ Ȁ ƭƩ ǦƐȦǯ ǦƐȦȦǄ ǦǛǬǭ şǣ ɄøǦǬȦǨ ȦƭǛǣ ǭȽ ƘȵǭǣȦȮǒ :**Composition** ǼƐǬȦǬǒ

.Polysucrose ǡşȦȮȆǒ ǼƖǼǯ

:**Chemical name** ȔәǺȽȶȽǑǿǟ ǇȅɍǞ

Acrylic acid polymer with sucrose polyalkyl ether; carbomer;
CAS Reg. No. 9007-20-9.

.ǥǺȽư ǛǦǺȽǺǹ ǛǦȞәǟǺǿǟ Ǘfluffy ǮǹǿǾ ȐȽǟǗ ȧǮȞȆƞ :**Description** ǮǿǮǿǟ

(ǿ/ȟ750~) ǿǮǻǺǯǺqǟş ǿǺţǟ Ž ǟǟşǽ ğǺǼƞɉǟ şǗ ǦǺǮǮǿǟ ğǟǼȽȆȭşǿǼȽȾǺǽ ǿǟǼȞǫȅɍǟ ǼȞǽ :**Solubility** ǦȽǺǽşǾǿǟ
.R ǿşǺȆȽǮ8ǿǟş TS

.ƺǮȞƞ ǾƞǺȝ :**Category** ǦǺǺǿǟ

.ȳǺǑǵǜǽ ǦǾǮ8ƞ ǦǺşǺǵ Ž ƘƞǮǽǺǑǿǟ ȐƥşǺǵ Ǽȥ :**Storage** ȸǺȂǺǾǿǟ

.ǟǼȽǮ ǼǜǺǫȆƞ ƘƞǮǽǺǑǿǟ :**Additional information** ǦȽǮǺȓǗ ğǺƞǮǮȞƞ

REQUIREMENTS ƘǦȞȽǮǻǬǼƒ

Ǘ(-COOH) ǾȽȆȭǮǽǿǺǑǿǟ ȐƥğǺȝǮȶƒ ȸƞ %68.0 ǜǮǺǑǺ Ǻȶȝ ǼǺǺǺ ɍş %56 ȸȝ ǾǾǺɍ Ǻƞ ƘƞǮǽǺǑǿǟ ȻǮǫȜ
.ǦǺǺǑǿǟ ǥǺǺţǟ ȻǗ ţǮǅǺǿǺǽ ǦǽǮȆȚ

Identity testes ƕǏǋǌǆɛ ƚɛƥƑǤǬɛ

ȷǮǟ ȷǮǑǺ ǗTS ǿǮǺǯǺqǟ/ǿǮȶȽǯǿǟ ǦşǾǿǟ ȸƞ ğǟǺǛş ȝȐǽ ȣǺȐǺ Ǿƞ 10 ȻǗ .ǿǺƞ Ǿƞ 50 Ž ȟ 0.5 ǺǯǮǦǺ :A
ȘǺȝ) .ǺǺǿǗ ȷǮǮǿǟ ȷǮǑǺ ǗTS ǿǮǺǯǺqǟ/ǿşǺǺǺǑǿǟ ǥǺƥ ȸƞ ğǟǺǛş ȝȐǽ ȣǺȐǺ ȜǺǹǗ Ǿƞ 10 ȻǗ .ǺǿǺǾǺǽ ǺǯǮǦţǟ
.(B ǿǺǦǫǹɍǟ ǾǅǮɉ ǺǯǮǦţǟ

ǦǅǺǿ ǦƞȲȽ ǰǫǺǺ ǗVS (ǿ/ǿǮƞ 1) ȳǮǺǻǮȎǿǟ ǼȽȆȭşǿǼȽǿ ǺǦǺǺǾǼ 7.5 ȻǗ A ǿǺǦǫǹɍǟ ȸƞ ǺǯǮǦţǟ ǿǺȽǺǽ ǴȞǑǼ :B
.ǟǼȽǮ

Yield value ǻşǻǺţǟ ǦȶȽş

R ȳǮǺǻǮȎǿǟ ǼǺǿǮǮǾ ȸƞ ȟ 0.25 ɁǮȝ ȻǮǫȜ ǿǺƞ Ǿƞ 500 ȻǗ ǿǾǵş ǦǺǺȞǽ ȟ 2.5 ȣǺȐǺ :ȻǺǫǿǺǾ ǦƞȲǟ ǺȐƠ
ǼǵǗ ɁǮȝ stirrer ǿǺɍǟ ȝȓǮǺ .ǦǾȽşǼǿǟ Ž ǥǿşǻ 1010-990 ǿǼȞƞ ǿǟǺȶǫȅǺǽ ǿǺȝş ǛǾƞ 1000 ȼǫȞȅ ȧǿşǻ Ž
ǥǼƞ ǨǽǺǫ ǿǼȞƞ ǿǛǦǽ ȋ ǮȞǺţǟ ƘƞǮǽǺǑǿǟ ȣǺȐǺ .ȻǻǮȶȞǿǟ ȝȓǮǿǟ ȸƞ °60 ǦǺşǟǺǽ ǺȞǾǿǟ ȸƞ ǺǦǺǺşş ȧǿşǼǿǟ Ȕǿ ǦǫǺǅ
ǾǺǫǺ ǛǾǺɍǟ ţǺǿǺǺ ǛǦǾȽşǻ 15 ǥǼƞ ǾǺǺȞǫǿǟ ȝǽǺǫǾ .ǦǨǺǯǮǽ ȻǺƟ ȧǮȞȆȶǮǿ ȃǼǑǨ ȻǗ ȷǗ ǼǾǜǫǿǟ ȝƞ ǦȽǺǫ 90-45
ǾǺɍǟ ǾǹǼȴ .ǦǾȽşǻ 30 ǥǼƞ °ȳ 25.2-24.8 ǥǿǟǺǵ ǦǅǿǼǽ ȔǿǺƞ ȳǺƥ Ž ǿǟǺǾǫȅǮǿ ǺǯǮǦţǟ ɁǮȝ ȻǮǫȜ ȻǾǿǟ ȧǿşǼǿǟ
ȣǺȐǺ ǛǦǾȽşǼǿǟ Ž ǥǿşǻ 310-290 ǦȝǺȆǽ ǾǺǺȞǫǿǟ ǿȲǹş .ǺǯǮǦţǟ ǾǹǟǻȻǗ ǿǟǮȚǟ ȼȽǮ ǼȞȆȴ ɍ ǮǗ ɁǮȝ ƺȶȞǿǟ ȻǗ
ǴǛȆǿǟ ǨƠ ǺȞǺǺȅ ȣǺȐǺ .TS ǿǮǺǯǺqǟ/ǿǮȶȽǫǮƞşȜǿǟ ǦşǾǿǟ ȸƞ Ǿƞ 1.5ş TS ǿǮǺǯǺqǟ/ƙǺǿǺǯǮ ǿǮǼǺǿǟ ȸƞ Ǿƞ 0.2

ȷζȯ ǿζŢŢǽ ǻǻǂǂ ȯǻǼȞǪèɍǻ ǻǻǼǪŋǻ ʔøǪǵ ĘǝǻȩǻǴ 3-2 ǥǼŋ ǒȀƷȘ TS (ȯ/ȟ200~) ȳζǻǻζÔǚǻ ǼǼÊõȘøǼǼ ȸŋ Ǒŋ 5 ǦζȀȑüǽ Ȁŋǖ ǕǑǼŋζǻȮǚǻ ɃøȀÊŋȘ ǦǼDZȀDZà ǦǼǫǕ ȳǻǼǺǪèȀǽ ǕǼŢɛǻ ȃȀǼǑŋ 7.8-7.3 Ƃǖ ǒȀȽȀǦǚǻ ǴǶÔǨ .ȄǫȀDZǪŋ ȧǿàǕ ǼǼÊõȘøǼǼ ȸŋ ǑȩǕ ǦǼȶõ ȳǻǼǺǪèǻȘ ǬȀǼǵ ǖǮǿ ƘȒǶǪǽ ȘǕ TS (ȯ/ȟ200~) ȳζǻǻζÔǚǻ ǼǼÊõȘøǼǼ ȸŋ ǼȀÂţǻ Ǧ3Ȁè ǥǼŋ °ȳ 25 ǥøǻȀƩǻ ǦDZøǻ ʔǛ3 ǦŢζȀǂǻ 3ŋ ɄǝȀţǻ ȳȀȶƩǻ Ƃǖ ȯǼȞǪÊţǻ ǖǮǛǚǻ ǻȀȞȀ .ȯǻǼȞǪèɍǻ ǑDZɉ ȳζǻǻζÔǚǻ .ǥǼǵǻȘ

ȀȞŋ ȷȀȮƷ .ȴŋ 3 × ȴŋ 100 × ȴŋ 100 ȀȶŢȀŋ Ǒõ ȄǼǑǨ ƙǪǼζȀȯ ǻǻζȯ - ȜȀDZà ɄøǪǶǼȀȯ ʔǛ3 àȀŢɛǻ ɃζǪƷ ǼŋȀõ ǴÛè ʔǛ3 ȯζÔǶǛǚ ƙǪǶǼȀÔǛǚ ƙǛǽȀǑǪŋ ƙŢDZȘ ȳǻǼǺǪèȀǽ fine carborundum ȴ3ȀȀǚǻ ǿζŋȀÊǚǻ ǦǼDZ3 ǼǼȀǽ 3ǽøǕ 3ȑǻζŋ ȓȀǑǫȘ ǦɧȘǻȀǚǻ alignments ǧȀζȀÔǨøɍǻȘ ȀõȀţǻ ȷȀǼǚ ȃȀţǻ ȴèǻø ǦüȀèζǽ ƙǪǶǼȀÔǚǻ ʔǛ3 Ȉ ǑȀȀ .ȴŢǪȀŋ .3ǽøɉǻ ȀȀǻȘȀǚǻ ȸ3Ș ȀõȀţǻ ȸ3 ǼȞǦǚǻ ǦȀȘȀÊǪŋ ǧȀǼ3

ȟ 0.1 ĘǫÛȽ .ȳǻǼǺǪèɍǻ ǑǦȩ ȀȞȀȀè ȷȀȀȀƶȘ Ûsettle ǼǼȩȀǪǛǚ °ȳ 25.2-24.8 ǦDZøǼǽ ɄǝȀŋ ȳȀƥ Ž ȷȀǪǶǼȀÔǚǻ 3ȑζǨ ǦǶǼȀÔǚǻ ȤȯȀǨ .ǦǼȞǚǻ ǑDZɉ ǦÔÔǺţǻ 3ȑǻζţǻ ȸŋ 3ȑζŋ Ǒõ Ž ƙǪǶǼȀÔǚǻ ʔǼǵq ǼŋȀȮǚǻ ǴÛÊǚǻ ʔǛ3 ǖǮǛǚǻ ȸŋ ζǓ ʔǛ3 àȀŢɛǻ (Ǧȶȩ) ʔǛ3ǖ ȷàȘ 3ȑζȀ .ʔǛȀÊǚǻ ǦǶǼȀÔǚǻ ʔǛ3 ǕǑȀèɉǻ ζǓ ǼŋȀȮǚǻ ǼǫȀɛǻȘ ǕǿǾǕ ȒȧǺȽȘ ǦǼǫȀǮǚǻ ǦǼ3 ǑȮǚ 3ǽøɉǻ ĘüȀȀţǻ ȀǕȩ ȃȀǑȀȘ ĘǝȀȩǻǴ 10 ǥǼŋ ǿǻȀǑǪèǛǚ 3ȶDZǪǚǻ ǒȀǪȀȘ Ǖȟ 100 ǦǑǫǕţǻ ǦǛǪȮǚǻ ȼǼζ ɃȘȀÊǨ .ȴè 2.2-2.0 ĘüȀȀţǻ ȀǕȩ àȘȀDZǪȀ ɍ ǕȴǛţȀǽ ȀǂȞŋ ȧǿȘ ǓȀȀì ȳǻǼǺǪèȀǽ

Sulfated ash ǨȀǛÊţǻ ǻȀŋȀǚǻ : ɍ ǼȀÂȀ ȸ3 1.0 ŋǛŋ/ȟ.

Loss on drying ȤǼȀDZǪǚȀǽ ǼǑȀǚǻ: ȤȀƶ ǦDZøǼǚȀǽ °ȳ80 ǥǼŋ Ǧ3Ȁè ǕǥǼǵǻȘ ɍ ǼȀÂȀ ǼǑȀǚǻ ȸ3 20 ŋǛŋ/ȟ.

Assay ǦÊȀȀǑţǻ: ȣȀȒȀ 0.4 ǕȟǕǽ ǦǫȘàζŋ ǦǼüζǦȒŋ ǦȀȀʄȘ ǦȀǦȩ ǦǼǽøDZȀǽ ǦǼǽ ǕǥǼǵǻȘ Ǧ3Ȁè ǥǼŋ °ȳ 80 ǦDZøǼǽ ɄǝǕ 400 ǦǼǫǕ ȳǻǼǺǪèȀǽ ǕǼŢɛǻ ȃȀǼǑŋ ȀȀȞȀ ǕȳȀǨ ȷȀǽȘǽ ǫȘǼǵ ʔøǪǵ ɄÊǼüȀȀ8ŋ stirrer ǒȀǶŋ ȜȀţǻ ȯǛǹ ǒȀţǻ ȸŋ Ǒŋ ǦζȀȑǕ Ǒõ ǼȞǽ .VS (ȯ/ȯζŋ 0.2) ȳζǻǻζÔǚǻ ǼǼÊõȘøǼǼ ǦüȀèζǽ Ûcalomel ǑǼŋζǻȮǚǻ ɃøȀÊŋȘ ǦǼDZȀDZà .ǥǼǵǻȘ ǦǑǼȩǻ ǥǼŋ ȬȀȀǶǪǛǚ ǒȀǪȀ ǕȯζǛǂǻ ǒȀȽȀǽ ǑǼDZÊǨ ǑǦȩȘ ȳζǻǻζÔǚǻ ǼǼÊõȘøǼŢ

Ȓƥ ǧȀ3ζȶf ȸŋ ŋǛŋ 9.004 ùζȀȮȀ VS (ȯ/ȯζŋ 0.2) ȳζǻǻζÔǚǻ ǼǼÊõȘøǼǼ ȸŋ Ǒŋ 1 Ǒõ .(-COOH) ȬǼǛǼÊõζǽøȀȮǚǻ

ø ø ø ø ø

Carmellosum natricum

Carmellose sodium ȒǋɉDZǏƥǀǁ !ǋȋǫǋŢ

Composition ǼǼõȀǪǚǻ: ȯζǻǻζȯ ǴǛŋ ζȽ àζǛŋȀȮǚǻ ȳζǻǻζȯ ȯǼǦǪÊȀ ȼǼζ ȀǼǝȀDZ Ƃζǽ ǒȀζǽȀõ ɄÊõζǽȀõ ǑǼǮǼŋ ƘǫǕ

[illegible].

Chemical name: [illegible]

Cellulose carboxymethyl ether, sodium salt; CAS Reg. No. 9004-32-4.

Other name: [illegible].

Description: [illegible].

Solubility: [illegible] R [illegible] TS (~750) [illegible] R.

Category: [illegible].

Storage: [illegible].

Labelling: [illegible].

Additional information: [illegible].

REQUIREMENTS [illegible]

[illegible] %6.5 [illegible] %10.8 [illegible] Na [illegible].

Identity testes [illegible]

A: [illegible] 1.0 [illegible] 90 [illegible] R [illegible] 100 [illegible] 50-40 [illegible] "Chlorides" [illegible] 0.5 [illegible] R [illegible] 1 [illegible] 5 [illegible] "pH value" [illegible] "Clarity and colour of solution" [illegible] TS (~1760) [illegible] 2 [illegible] TS1 [illegible] 1- [illegible].

B: [illegible] 1 [illegible] TS (~420) [illegible] 20 [illegible] 5 [illegible] "Heavy metals" [illegible] "General identification tests" [illegible] B [illegible] (123 [illegible] 1 [illegible]).

[illegible] B [illegible] 12 [illegible] :**Heavy metals** [illegible] "Limit test for heavy metals [illegible]" [illegible] .[illegible] 40 [illegible] (128 [illegible] 1 [illegible]) A

[illegible] A [illegible] 10 [illegible] :**Chlorides** [illegible] (124 [illegible] 1 [illegible]) "Limit test for chlorides [illegible]" [illegible] .[illegible] 2.5 [illegible]

[illegible] A [illegible] :**Clarity and colour of solution** [illegible] Yw2 [illegible] TS3 [illegible] .(53 [illegible] 1 [illegible]) "Colour of liquids [illegible]" [illegible]

(~1760[illegible]) [illegible] 1.0 [illegible] :**Sulfated ash** [illegible] Na [illegible] 0.333 [illegible] 0.200 [illegible] TS .(B [illegible]) %10.8-6.5

.[illegible] 100 [illegible] 105 [illegible] :**Loss on drying** [illegible]

.8.5-6.0 [illegible] A [illegible] :**pH value** [illegible]

[illegible]

Cellacefatum

Cellacefate [illegible]

[illegible] :**Composition** [illegible]

:**Chemical name** [illegible]

Cellulose acetate phthalate; cellulose acetate 1,2-benzenedicarboxylate; CAS Reg. No. 9004-38-0.

.cellacephate [illegible] :**Other names** [illegible]

[illegible] :**Description** [illegible]

āǟşǽ ÜR ɹζ϶Ƒèɉǟ Ž ɹǺǣşØöä Àǵ ÜTS (ȯ/ȟ750~) ȯζφǺǯʅqǟş ŏǺţǟ Ž āǟşǽ ɍ ǺƑŸɫɜ :**Solubility** ĞƑφǺǣşØöä
.ĞǺǺǺţǟ ğǺʅζŸÕöä ŌƑöǺǂǟ Ž āşØʅ ÜR ɹǺÊõζʅǼöä Ž

.ĞĞŸÔöä ĞʅζɫǺöä ĞƑɜǺƨǟ ȯǺÒȉɉǟ ŌDZɉ ɄŸǹǟǻ ŌŸȣɳ ŌɳǺɜ :**Category** ĞǺǺöä

.ȣǺDZş ǻøǺǣ ɹǺÒɳ Ž ɹÂ∑ ɹǗş ÛƑǼƑDZ ĞŌŸȣɳ ĞʅşǺǵ Ž ğǺǺƑèɎƑÊöä ŞǺǵ Ǣƶ :**Storage** ȸʅÂǺǪöä

.ĞĞùǺǪÊɳ ğǺǺƑèɎƑÊöä :**Additional information** ĞƑζǺȓǗ ğǺɳζŸȞɳ

REQUIREMENTS ƘĞǘǷǩǳ!ƒ

ÛC₈H₅O₃) ŌʅζöǺǯǺöä ğǺɜζɫƒ ȸɳ %40.0 ȕζǺÒʅ Ǻɫɜ ǼʅÂʅ ɍş %30.0 ȸɜ ŌŌʅ ɍǺɳ ʔŸɜ ğǺǺƑèɎƑÊöä ɃζǪƠ
ÛC₂H₃O) ŌƑǪƑèɉǟ ğǺɜζɫƒ ȸɳ %26.0 ȸɜ ǼʅÂʅ ɍş %17.0 ȸɜ ŌŌʅ ɍǺɳ ʔŸɜş Û(149.1 = ĞƑĞÊǺöä ĞƑǺʅÂƨǟ ĞŸǪÒöä
.ĞƑəǺɳɎöä ǥǺţǟ ƃǗ ţζDZǺöǺǣ ĞǣζÊƮ ǺƵǪŸõ Û(43.05 = ĞƑĞÊǺöä ĞƑǺʅÂƨǟ ĞŸǪÒöä

Identity testes ȟĭǋǊǁɛ ɭ ɛþƑĞȈǫɛ

TS (ȯ/ȟ1760~) ŌʅǿζǺŸÊöä Ȑþ ȸɳ Ōɳ 1ş TS (ȯ/ȟ750~) ȯζφǺǯʅqǟ ȸɳ Ōɳ 1.0 ȣǺȒʅ ɳŸɳ 10 ƃǗ :A
.(ǿØɯ ɁǺƶ) ǺƮǪȞəǟǺǣ ȭǿǼǨ ɄøǪöä ŌƑǯʅqǟ ğǺǪƑèǗ ǰǪʅʅ ǗǖǟǼʅş

ŌʅǿζǺŸÊöä Ȑþ ȸɳ Ōɳ 0.5ş R ȯζǼƑèǿşǺǺǺöä ȸɳ ɳŸɳ 10 ȣǺȒʅ ÛƘȣȍ ǿǺĞǪǹǟ āζĞǪǗ ƃǗ ɳŸɳ 10 ŌŌʅ :B
ȸɳ ǰʅÂɳ ȸɫȓ ȯζŸǂǟ ǼÔʅş ǻǟȞʅ .ĘəǺęǻ 3 ǥǼɳ °ȳ 160 ĞDZǿǼöǺǣ ŌəǺè ȳǺþ Ž ȸǺÊʅ .ǯǺƹş ÛTS (ȯ/ȟ1760~)
.ȯζŸǂǟ Ž ɃζƑǵ ǺȒǹǗ ĘöǖǨ ȘǵɎʅ ÜöǺţǟ ȸɳ Ōɳ 200ş VS (ȯ/ȯζɳ 1) ȳζʅǻζÔöä ǼƑÊõşǿǼƑȽ ȸɳ Ōɳ 25
ĘƑęǿ ȽŸζ ʔŌĞʅş ÛǿǺǺĞöä ǼɜǺÔǪʅ ÜĞƑζǺȍ ĞƑDZǺDZǟ ĞȞƑǺȍ ʔŸɜ ǼÔʅş ɹζ϶Ƒèɉǟ ȸɳ Ōɳ 1 Ž ȟ 0.1 āǟØʅ :C
.ţǺţ ȣǺȍ

ɄəǺǺǪ ȸɳ ƃǺʅǟ ŏǺţǟ ȸɳ Ōɳ 100 ɜɳ ǺɫɜǺφ ǺŌȞè ĞęζȞÊɳ ǥǺɳ ȸɳ ȟ 1.0 ǯǺɫ :**Free acid** Ǻ∑ǟ Ȑɫ∑ǟ
ȸɳ ƃǺʅǟ ŏǺţǟ ȸɳ ÛŌɳ 10 ǺɫƮǺɳ Ōõ ÛƘǪƑɫÒǣ ǴǹǺţǟş ĞŸDZζ∑ǟ ŌÊȣǩ .ǴǹǺʅş ĘəǺęǻ 5 ǥǼɳ R ɹζǣǺÒöä ǼƑÊõǗ
ǺǺȞʅş ÛTS ȯζφǺǯʅqǟ/ƘǺöǺǯζ ȯζǼƑǺöä ȸɳ Ōɳ 0.1 ȣǺȒʅ ÛğɍǺÊȣöäş ĞǵǺȉǺöä ɜɫθ .R ɹζǣǺÒöä ǼƑÊõǗ ɄəǺǪ
ǻǺȞʅ .ƵƑǺǹ ɄŸǺφǺę ɹζǒ ʔŸɜ ȯζÔ∑ǟ ʔøǪǵ VS (ȯ/ȯζɳ 0.1) ğǺφζǣǺÒöä ȸɳ ƃǺʅǟ ȳζʅǻζÔöä ǼƑÊõşǿǼƑȭ
.ĞʅǿşǺȓ ğǺȞƑȞÔǨ ĞǺǗ ɁǺθş ĞȍζȞǺţǟ ğǺǺƑèɎƑÊöä ɹşǻ öǟǺDZqǟ

Ȑþ ȸɳ ɳŸɳ 8.306 ȕζǺÒʅ TS (ȯ/ȯζɳ 0.1) ğǺφζǣǺÒöä ȸɳ ƃǺʅǟ ȳζʅǻζÔöä ǼƑÊõşǿǼƑȽ ȸɳ Ōɳ 1 Ōõ
.ĞƑəǺɳɎöä ǥǺţǟ ƃǗ ţζDZǺöǺǣş ŌƑöǺǯζ ȐɫȞõ ĞǣζÊƮ Û(%6.0) ȟ/ɳŸɳ 60 ȸɜ ǼʅÂʅ Ǻɳ ǼDZζʅ ɍ .ŌƑöǺǯǺöä

.ȟ/ɳŸɳ 1.0 ȸɜ ǼʅÂʅ ɍ :**Sulfated ash** ǨǺŸÊţǟ ǻǺɳǺöä

Determination of water by ǺÎƑζ ȯǿǺõ ĞŌʅǺÛǣ ŏǺţǟ ƘƑǨ" ɹǟζǺɜ ǨƠ ȣζȍζɳ ζȽ Ǻɫõ ƘȞʅ :**Water** ŏǺţǟ

ӯζƊƶǵ ǰʌÂɳ ȸɳ Ȫɳ 20ʂ ȟ 0.5 ӯäǼǺɁèǻǟ Û(145 ǦƗȦÔöä Û1 ǼŸǑä) A ǦȪʌÂÛöä Û"the Karl Fischer method .(%5.0) ȟ/ɳŸɳ 50 ȸʒ ŏǻʈä Ɂζ϶Ʈ ǼʌÂʌ ɟ ÜR ӯǿζζʂǿζŸȮöäʂ R ŏǻʈä ʈʂÂøʌɳ ȯζɸǯǼʈä ȸɳ ǦöǻǻȞ϶ɳ

:**Assay** ǦÊʌǻȪʈä

:Ȫʌζöǻǯǻöä ǧǻʒζʈƒ.A

ӯäǼǺɁèǻǟ ǋŸǤɇ ȯǼȞ϶Êʈä ÛƘŸǯʌɋä ȯζȮǼŸȡ ȪǼǯɲ ǼǼǵʂ ƘɁÜ ȸɳ Ȫɳ 20 Ž ÛǦǼüζǦȒɳ Ǧɸʂàζɳ Ûȟ 0.4 Ǧäǻɇ ā äǾʌ VS (ȯ/ȯζɳ 0.1) ǧǻɸζäȀȮöä ȸɳ ƃǻʅä ӯζʌǻζÔöä ǼǼÊõʂǿǼǼõ ȀʌǻȞʌ .TS ȯζɸǻǯʌɋä/ƙǻöǻǯζ ȯζǼǻöä ȸɳ Ȫɳ 0.1

.Ȥ ǼǻǹȵŸǻɸȀɇ ȷζö ǰ϶ʌʌ ʔø϶ǵ

$$\frac{149n}{(100-a)m}-1.795S$$:% øöǻǟ Ȫʌζöǻǯǻöä ǧǻʒζʈƒ ȸɳ Ɂζ϶ǂä ǼÊƷ

Ɂζ϶ǂä ƂÜ aʂ ÛVS (ȯ/ȯζɳ 0.1) ǧǻɸζäȀȮöä ȸɳ ƃǻʅä ӯζʌǻζÔöä ȸɳ ǦɳǼǺ϶Êʈä ǧäȀ϶ö ȵŸǼʈä ǻǼʒ ƂÜ n ƘÎǩ .% øöǻǟ ǻǿǼȪɳ ȀΣä ȐʈΣä ȸɳ Ɂζ϶ǂä ƂÜ Sʂ ÛӯäȀȣöǻǟ ǥǿǼȪɳ ǧǻǼǼèŸǼÊöä ǦŸ϶õ ƂÜ mʂ Û% øöǻǟ ǻǿǼȪɳ ŏǻʈä ȸɳ

:Ȫǯ϶Ǽèɉä ǧǻʒζʈƒ .B

0.01) ǧǻɸζäȀȮöä ȸɳ ƃǻʅä ӯζʌǻζÔöä ǼǼÊõʂǿǼǼȽ ȸɳ Ȫɳ 25 ȣǻȒʌ ÛǦǼüζǦȒɳ Ǧɸʂàζɳ Ûȟ 0.1 Ǧäǻɇ ƂÜ ȸɳ ȯζɳ 0.1 ȣǻȒʌ ÛǻƎʌ .ǦȪǯɇǻ 30 ǥǼɳ ȵʒζƊȀöä ȷʌȀƨǻǟ ȪʈȞʌ ȤǯȮɳ ƘƠ ȵǝǻɳ ӯǻƥ Ž ȸǺÊʌʂ VS (ȯ/ȯζɳ öäȀƊɋä ǻȞʌ .ȷζŸöä ȯʂÂʌ ʔø϶ǵ VS (ȯ/ȯζɳ 0.1) Ȫʌǿζ϶õʂǿǼǼTä ȐʈШ ȀʌǻȞʌʂ ÛTS ȯζɸǻǯʌɋä/ƙǻöǻǯζ ȯζǼǻöä .Ǧʌǿʂȁȓ ǧǻƗǼƗȮǩ ǦʌÜ ɁȀƟʂ Ǧȍζ ƗǻʈäǦ ǧǻǼǼèŸÊöä ȷʂǻ

$$\frac{43(n_2-n_1)}{(100-a)m}(0.578P+0.518S)$$:% øöǻǟ Ȫǯ϶Ǽèɉä ǧǻʒζʈƒ ȸɳ Ɂζ϶ǂä ǼÊƷ

ƂÜ n_1ʂ Û ǼȽǻÎöä ȪƊɉ ǦɳǼǺ϶Êʈä VS (ȯ/ȯζɳ 0.1) Ȫʌǿζ϶õʂǿǼǼTä Ȑþ ȸɳ ǧäȀ϶ö ȵŸǼʈä ǻǼʒ ƂÜ n_2 ƘÎǩ ȸɳ Ɂζ϶ǂä ƂÜ aʂ Ûǧǻǻǿ϶ǼèŸǼÊöä ȪƊɉ ǦɳǼǺ϶Êʈä VS (ȯ/ȯζɳ 0.1) Ȫʌǿζ϶õʂǿǼǼTä Ȑþ ȸɳ ǧäȀ϶ö ȵŸǼʈä ǻǼʒ ƂÜ Sʂ % øöǻǟ ǥǿǼȪɳ Ȫʌζöǻǯǻöä ǧǻʒζʈƒ ǦŸ϶õ ƂÜ Pʂ ӯäȀȣöǻǟ ǥǿǼȪɳ ǧǻǼǼèŸǼÊöä ǦŸ϶õ ƂÜ mʂ % øöǻǟ ǻǿǼȪɳ ŏǻʈä .% øöǻǟ ǻǿǼȪɳ ȀΣä ȐʈΣä ȸɳ Ɂζ϶ǂä

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Cellulosum microcrystallinum

Microcrystalline cellulose ǎǸþǀǅǁǁ ǎþǸǂǤǁǁ ȐǸǁǁǸǂƨǁǁ

.ǻǻöÜ àζȯζŸÊöä ȸɳ ȀȒƮ ǼǝǻƊƵ ¢ǩǿζŸǟ ƘŸʌàÜ àζȯζŸè ζȽ ɃʂȀȮʈä Ƀǿζ϶ǦĠöä àζȯζŸÊöä :**Composition** ǼǼõȀ϶öä

:**Chemical name** ȵǝǻǼʈǼȮöä ǈèɼä

Cellulose; CAS Reg. No. 9004-34-6

[illegible] **Description** [illegible]

[illegible] **Solubility** [illegible]

[illegible] **Category** [illegible]

[illegible] **Storage** [illegible]

[illegible] **Additional information** [illegible] 20 [illegible] 150 [illegible]

REQUIREMENTS [illegible]

Identity testes [illegible]

A: [illegible] 20 [illegible] 38 [illegible] 5 [illegible] 1 [illegible] 30 [illegible] 270 [illegible] 45 [illegible] 255 [illegible] (18000 [illegible]) 5 [illegible] 100 [illegible] 100 [illegible] 3 [illegible]

B: [illegible] 0.05 [illegible] 10 [illegible] TS [illegible] 5 [illegible] (~750 [illegible]) TS [illegible]

Heavy metals [illegible] 1.0 [illegible] 4 [illegible] TS [illegible] 800 [illegible] TS (~250 [illegible]) [illegible] Limit test for heavy metals 3 [illegible] 1 [illegible] 127 [illegible] A [illegible] (128 [illegible] 1 [illegible]) 1.0 [illegible]

Water-soluble substances [illegible] 5 [illegible] 80 [illegible] 10 [illegible] 105 [illegible] 2.0 [illegible]

Sulfated ash [illegible] 1.0 [illegible]

[illegible] **Loss on drying**: [illegible] 105 [illegible] 5 [illegible] 60 [illegible]

[illegible] **pH value**: [illegible] 2 [illegible] 100 [illegible] 5 [illegible] 7.5-5.0 [illegible]

[illegible] **Organic impurities**: [illegible] 10 [illegible] 0.05 [illegible] 0.1 [illegible] 5 [illegible] (~420 [illegible]) TS [illegible]

[illegible] **Starch and dextrins**: [illegible] 0.1 [illegible] 5 [illegible] 0.2 [illegible] (0.05 [illegible]) VS [illegible]

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Cera carnauba

Carnauba wax [illegible]

[illegible] **Composition**: [illegible] *Copernicia cerifera* Mart. (Fam.Palmae).

[illegible] **Chemical name**:

Carnauba wax; CAS Reg. No. 8015-86-9

[illegible] **Description**: [illegible]

[illegible] **Solubility**: [illegible] (~750 [illegible]) TS.

[illegible] **Category**: [illegible]

[illegible] **Storage**: [illegible]

REQUIREMENTS [illegible]

[illegible] **Melting range**: 85-78 °[illegible].

[illegible] **Ash**: [illegible] 2.0 [illegible] 2.5 [illegible]

Acid value: (150) 8.

Saponification value: (149) 25 … 50 … (~750) TS … 75-95.

Acid value: (148) 5-14.

ØØØØØ

Cera cetyla

Cetyl esters wax

Composition: (C_{18} – C_{14}) … (C_{18} – C_{14}).

Chemical name:

C_{14-18} Fatty acids C_{14-18} alkyl esters; CAS Reg. No. 85566-24-1.

Other name: Synthetic spermaceti.

Description: … 5 …

Solubility: … TS (~750) … R … R.

Category:

Storage:

Additional information: … 0.83 … 50 °ÿ.

REQUIREMENTS

Melting range: (23) 43-47 °ÿ.

.5 ȸ3 ÆΛÂǩ ɍ .(150 ǦHUȦÔöä Û1 ÆŸƒ) :**Acid value** Ȑȶ Σä Ǧȶ Ȩ

.1 ȸ3 ÆΛÂǩ ɍ .(148 ǦHUȦÔöä Û1 ÆŸƒ) :**Iodine value** ǻ ƺ Ȅöä Ǧȶ Ȩ

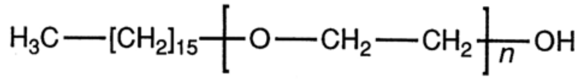
.120-109 .(149 ǦHUȦÔöä Û1 ÆŸŎä) :**Saponification value** ƏÔǬöä Ǧȶ Ȩ

.ǅŋȦõ 3ȶ Îöä ā şØΛ Ü(ȯ/ȟ750~) ɁŸ8ţä ȯƺǬȦǮΛɋä ȸŋ Ōŋ 50 ȣ ȦȒΛ ȟ1 БÜ :**Paraffin** ƙƺäøȦǤöä

ØØØØØ

Cetomacrogolum 1000

(Cetomacrogol 1000) 1000 üǋƷǋƥǀƑǅǋƗǐƨǁ



$(C_2H_4O)_nC_{16}H_{34}O$

Ȑƥ 3ŋ ǦȄÛȴä ǦȄȽÆöä ğɍƺHUȮöä ƵǬȦȮǩ ǰǬŋ ƺȽ 1000 ȯƺȡşÀõȦŋƺǬȄÊöä :**Composition** ǢȄõÀǬöä ǦȄəÂƨä ǦŸǬȮöȦæ ƙŸǮΛÜ БƺǤöä ȯƺȮȄŸȡ 3ŋ āƺŸÛţä Ƙǭɉä ɁŸ3 ȯƺÔHUŸö ÆȄǨÀǬöȦæ ǦǤȩäÀŋ ȓşÀȉ ǨƠ ȦȒȚ Ûƙ ŸȄǮΛɋä .Ǧæƺ ŸÛţä

:**Chemical name** ȻəȦȄȶȄȮöä ȴèɍä

Polyethylene glycol monohexadecyl ether; α-hexadecyl-ω-hydroxypoly(oxy-1,2-ethanediyl); CAS Reg. No. 9004-95-9.

БÜ ÀȚÔΛǩ ȸɌÅÊȽ ȦŋÆΛ3 ÜĘəȦȩø şÜ Pellets ğȦǤȄǵ şÜ ǷÀȮȦæ ǦǬƺŸŋ ǦȄȞ ǦȄȽǻ ǦŸǬõ :**Description** Ƶòƺöä .ȦǤΛÀȮǩ ǦHUəäÀöä ǷÆ3 şÜ ǦHUəäÀöä ǷÆ3 ÜȻøΛǤöä БÜ ŌəȦŋ ÀÀòÜ ȣ Ȧò ŌəȦè

ÙȦΛöä Ž āȦşæ ɍ ȦȄŸȶ3 ÜR ɟƺǬȄèɉȦş TS (ȯ/ȟ750~) ȯƺǬȦǮΛɋȦş ÛöȦţä Ž āȦşæ :**Solubility** ǦȄǬȦæşØöä .R ƵȄȦȴä

.Ɔƺ ΛÜ ɍ ǴÛÊȦæ Ō3Ȧƺ :**Category** ǦȦÀöä

.ǦǬƺǺÊöä ȸŋ Ɂȶ Ʒ ɟÜş ÛȄÆȽDZ ǦŌŸ8ŋ ǦΛşȦǵ Ž 1000 ȯƺȡşÀõȦŋƺǬȄÊöä ȘȦǵ Æƶ :**Storage** ȸΛÂÅǬöä

REQUIREMENTS ƘǦǔǓƱƘǆǅ!ƒ

Identity testes ƕǐǋǈǁ ǀƥƑǦǇǁ

ÆÌøźŸÕ ȸ Ōŋ 10ş TS (ȯ/ȟ70~) ŌÌøźŸÕşøÆÉTā Ȑ þ ȸ Ōŋ 10 ȣÀȒÌş ŏÀŋ Ōŋ 5 Ž ȟ 0.1 āāØÌ :A

.ǥÀȒƯ ŏāÀÀȍ ǦæÀȅƅ ǰǪÀǩ ÜTS (ȯ/ȟ 80) ŌÌÆǦōźŋźÀȅźÀōā Ȑ þ ȸ Ōŋ 10ş ÛTS (ȯ/ȟ 50) ÿźÌøÀǦōā

ǰÜ ǬǦŸǩ ɍ ǦæÀȅƅ ŌȮÎǪǩ ÜÆÉƶøÆǩ TS (ȯ/ȟ50) ŌÉǪÀǪōā Ȑ þ ȣÀȒÌş ŏÀʈā ȸ Ōŋ 5 Ž ȟ 0.1 āāØÌ :B

.ŌÉǪÀǪōā Ȑ þ ȯźŸŢ ȸ ÆÌÂʈā ǦźÀȓüæ āşØǩ

.°ÿ 38 ȸȝ ŌǑǩ ɍ .(23 ǦĦÀÔōā Û1 ÆŸŎā) :**Melting point** øÀŢÔǪɍā ǦÛŌǪ

. $n_{\mathrm{D}}^{20} = 1.448 - 1.452$ Û°ÿ 60 ǦDZøÆōÀæ :**Refractive index** øÀÊȮǪɍā ÆÊÀŋ

.0.5 ȸȝ ÆÌÂǩ ɍ .(150 ǦĦÀÔōā Û1 ÆŸƒ) :**Acid value** ȐʈƩā Ǧʈɇş

ǥÀÛş ȣÀȒÌ ÛR ǰźæÀȮōā ÆÉÊÕÜ ȗəÀÀǭ ȸ ƃÀʅā ŏÀʈā ȸ Àǭŋ ȗŸÉŋ 20 Ž ȟ 2 āāØÌ :**Alkalinity** ǦÌźŸŌōā

0.5 ȸ ÀǰÕÜ ÆŸÛǪÌ ɍ ÜVS (ȯ/ȯźŋ 0.1) ŌÌøźŸÕşøÆÉTā ȐʈШ ÀÌÀȞÌş ÛTS ȯźǪÀǯÌɋā/ƙÀōÀǯź ȯźÆÉÀōā ȸ ǥÆǵāş

.ȗŸÀǪÀş ǰźō ʔŸȝ ȯźÔĦŸō Ōŋ

.52.5-40.0 ÜA ǦŌÌÀÛōā Ûȟ 10 ÿÆǺǪÊÌ .(44 ǦĦÀÔōā Û4 ÆŸŎā ÀŢǪā) :**Hydroxyl value** ŌÉÊÕşøÆÉTā Ǧʈɇş

.1.0 ȸȝ ÆÌÂǩ ɍ Üȟ 10 ÿÆǺǪÊÌ .(149 ǦĦÀÔōā Û1 ÆŸŎā) :**Saponification value** ƏÔǪōā Ǧʈɇş

Determination of water by ÀÎɇź ȯøÀÕ ǦŌÌÀÛæ ŏÀʈā ƙÉĦǩ" ǰāźÌȝ ǨƠ ȣźȍźŋ źȽ Àʈ Õ ȸɇǨÌ :**Water** ŏÀʈā

10 ȸȝ ŏÀʈā ʔźǪŢ ÆÌÂÌ ɍ Üȟ 2.5 ÿāÆǺǪȅÀæ Û(145 ǦĦÀÔōā Û1 ÆŸŎā) A ǦŌÌÀÛōā "the Karl Fischer method

ØØØØØ

Cetrimidum

Cetrimide ǭǐǮǐþȈǐƨǁ

ŌÉǰɇŋ ȗǪŸǪ ŌÉÊÌǻ ȗȝÀæø ÆÉŋşÀæ ȸ ȯşɉā ÿÀŌʈā Ž Ȥōúŋ ǰÌÂŋ źȽ ÆÉƩÀǪÉÊōā :**Composition** ÆÉÕÀǪōā

.ÿźÉǪźŋÜ ŌÉǰɇŋ ȗǪŸǪ ŌÉÊÌǻ ȗȅāÆȅ ÆÉŋşÀæş ÿźÉǪźŋÜ ŌÉǰɇŋ ȗǪŸǪ ŌÉÊÌǻşǻ ÆÉŋşÀæ ȸ ǑȩÜ ǧÀÉʈÕ ȝŋ ÿźÉǪźŋÜ

:**Chemical name** ȗəÀÉʈÉŌōā ǈȅɍā

Trimethyltetradecylammonium bromide mixture with dodecyltrimethylammonium bromide and hexadecyltrimethylammonium bromide; cetrimide; CAS Reg. No. 8044-71-1.

Description: [illegible].

Solubility: [illegible] (~750 [illegible]) [illegible].

Category: [illegible].

Storage: [illegible].

REQUIREMENTS [illegible]

[illegible] 96.0% [illegible] 101.0% [illegible] $C_{17}H_{38}BrN$ [illegible] (336.4 = [illegible]) [illegible].

Identity testes [illegible]

A: [illegible] 5 [illegible] 5 [illegible] TS 8.0 [illegible] R [illegible].

[illegible].

B: [illegible] 0.2 [illegible] 10 [illegible] R [illegible] (C [illegible]).

C: [illegible] A [illegible] General identification tests" [illegible] (1 [illegible] 120).

Amines and amine salts [illegible]: 5 [illegible] 30 [illegible] 99 VS (1 [illegible]) [illegible] R [illegible] 100 [illegible] 2- [illegible] R [illegible] 15 [illegible] (0.1 [illegible]) [illegible] VS [illegible] 2.0 [illegible].

Sulfated ash [illegible]: [illegible] 5.0 [illegible].

Loss on drying [illegible]: [illegible] 105 °[illegible] 20 [illegible].

Acidity or alkalinity [illegible]: 1 [illegible] 50 [illegible] R [illegible] 0.1 [illegible] TS [illegible] 0.1 [illegible] (0.1 [illegible]) VS [illegible] 0.1 [illegible] (0.1 [illegible]) VS [illegible] 0.1 [illegible] VS (0.1 [illegible])

.(ɃẩỈɳǿ)

ȣȦȒǞ ÛǑÔǭ Ȝȶȩ БǗ Ǒɳ 25 ǑǬǞǞ .ǒǺţǟ ȸɳ Ǒɳ 100 Ž ÛǦǼüǭǤȒɳ ǴǫşàǭɳÛȟ 2 ǦǣǟȀȩ ǟǟǾǞ :**Assay** ǦȆǞǞǬţǟ

ǞǷǟǞü ȀȒȚ ȯǭŸȚ ȸɳ Ǒɳ 10ȿ VS (ȯ/ȯǭɳ 0.1) ȳǭǞǻǭÔǟǟ ǼǼȄǬşǿǼǼȽ ȸɳ Ǒɳ 10ȿ R ȳǿǭǭşǿǭŸȮǟǟ ȸɳ Ǒɳ 25

.ȳǿǭǭşǿǭŸȮǟǟ ǦǬǦü ȯǟǺǩȿ ÛȯǺÔǺǫŸǟ ǬȀǬǞ ÛǼǼǼǱ ȝȀǷ .ǒǺţǟ ȸɳ Ǒɳ 100 Ž R ȳǭǼȅǺǩǭǦǟǟ ǼǞǻǭǞ ȸɳ ȟ 5 ɁŸȝ ɃǭǬȜ

40 ȣȦȒǞ .ȳǿǭǭşǿǭŸȮǟǟ ğǺǬǦü ȯǟǺǩȿ ÛǑɳ 10 ǺǷǺɳ ǑȰ ÛR ȳǿǭǭşǿǭŸȮǟǟ ȸɳ ğǺǼȶȰ ǫŸǫ Ž ǦǼǝǺţǟ ǦǬǦÛǟǟ ȝȀǷ

ɁǿǬǵ VS (ȯ/ȯǭɳ 0.05) ȳǭǼȅǺǩǭǦǟǟ ğǟǻǭǼǟ ȀǺȞǞȿ ǻǼǼǟ ǬȀǬǞ ÛTS (ȯ/ȟ420~) ȰǞǿǭŸȰşǿǼǼTǟ ȐȸȸɳǑɳ

ǦǬǦü ȷǭǒ şǼȣǞ ɁǿǬǵ ǥǭǬǟ ȝȀǞ ÛǥȀǞǞȞţǟ ȜǟǺǬǩȿ R ȳǿǭǭşǿǭŸȮǟǟ ȸɳ Ǒɳ 2 ȣȦȒǞ .ǞǦǞȀǬǩ ȨɳǺȣǟǟ ɄǿǞǦǟǟ ȷǭŸǟǟ ȯşȀǞ

ȀȒǂǟ ȳǭǼȅǺǩǭǦǟǟ ǼǞǻǭǼǟ ǞǺǫǗ ǿǭȰǾţǟ ȯǭŸǂǟ ȸɳ Ǒɳ 10 ȸɳ Ȥǒǘɳ ȷǞȀɳ ǒǟǞǷǭɋǟ ǻǺȞȽ .ǑǞǼǩ ȷşǻ ȳǿǭǭşǿǭŸȮǟǟ

.ǦǞǿşȀȓ ğǺȞǼȞÔǨ ǦǞǗ ɁȀɵȿ TS (ȯ/ȟ420~) ȰǞǿǭŸȰşǿǼǼTǟ Ȑȸ ȸɳ Ǒɳ 40ȿ ǒǺţǟ ȸɳ Ǒɳ 20ȿ ǞǷǟǞü

.$C_{17}H_{38}BrN$ ȸɳ ɳŸɳ 33.64 üǭǺȮǞ VS (ȯ/ȯǭɳ 0.05) ȳǭǼȅǺǩǭǦǟǟ ğǟǻǭǞ ȸɳ Ǒɳ 1 ǑȰ

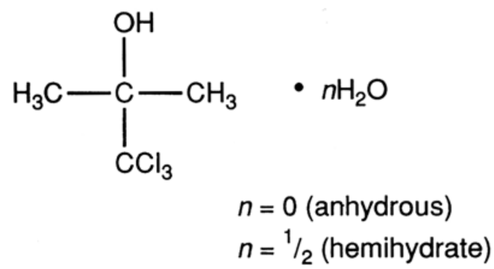
ǿǿǿǿǿ

Chlorobutanolum

Chlorobutanol üǋǳǂǂǋǦǋƥǋǂǀǀǁ

Chlorobutanol, anhydrous ǑƒǦǳǘ!ƒ ȳǍǉǦǨǍǉǍƨǍǉǂ!ƒ

Chlorobutanol hemihydrate ƘƒƨƥǒǋǏ!ƒ ǑƼȚǉ ȳǍǉǦǨǍǉǍƨǍǉǂ!ƒ



$C_4H_7Cl_3O$ (anhydrous)
$C_4H_7Cl_3O, \frac{1}{2} H_2O$ (hemihydrate)

.(ğǟǿǼǼTǟ ɄǺÔǫ) 186.5 Ü(ɄǝǺɳɍ) 177.5 :**Relative molecular mass** ǦǼǦȆǞǟǟ ǦǼǺǞȂƨǟ ǦŸǪȮǟǟ

:**Chemical name** ɄǝǺǼȶǼȮǟǟ ȴȅɼǟ

1,1,1-Trichloro-2-methyl-2-propanol; CAS Reg. No. 57-15-8 (anhydrous).
1,1,1-Trichloro-2-methyl-2-propanol hemihydrate; CAS Reg. No. 6001-64-5 (hemihydrate).

Description:

Solubility: TS (ó/ȟ750~) R

.R

Category:

Storage:

Labelling:

Additional information: 95 ... 77

REQUIREMENTS

%98.0 ... %101.0 ... $C_4H_7Cl_3O$

Identity testes

A: 20 ... 3 ... (ó/óz 1) VS ... 5 ...
... TS ... 2

B: 20 ... 1 ... R 2 ... TS (ó/ȟ400~) ...

Solution in ethanol: ... 5 ... 10 ... TS (ó/ȟ750~) ...
... TS2 ... Yw3 ...
"Colour of liquids" (... 1 ... 53).

Sulfated ash: 1.0 ... ȟ/...

Water: ... "Determination of water by the Karl Fischer method" A (... 1 ... 145). ... 2 ... 45 ... ȟ/... 0.3 ... 10 ... ȟ/... 60 ... ȟ/...

Acidity: 2 ... 20 ... TS (ó/ȟ750~) ... (0.01

ȷȥ̇ ʓ̈́Ǭɋ Ō̤ 1.0 ȸ̤ Ăǯṏ ǼȊȖȦ ғ ȕǍȟÎȶõ TS ȯȥȩǯȼɋ̈/ȯȥȶǼȤ̤Ƙȳ̤ Ǧȩǿà ȸ̤ Ō̤ 0.1 ÿǼǼǾè VS (ȯ/ȯȥ̤ .ȧǿȁ̈

10 ȣȒ̂ȿ ŪTS (ȯ/ȟ750~) ȯȥȩǯȼɋ̈ ȸ̤ Ō̤ 20 Ž ȖǦǼüȥǦȒ̂ɳ Ǧɋȿàȥ̤ Ūȟ 0.1 Ǧǟǟ ǟ̄ǿȺ :**Assay** ǦÊȺȴ̤Ō̤

Ȓ̀ þ ȸ̤ Ō̤ 20 ȣȒ̂ȿ .ǻǾȿ Ȩǝȩǻ 5 ǥǼ̤ Ʉǝ̤ ÿǟþ Ž ȸǻÊɫ ŪTS (ȯ/ȟ80~) ÿȥǻȥÔȳ̈ ǼǼÊõȿǿǼȽ ȸ̤ Ō̤

ǯȁɫȿ ŪR ŌǼȥǦȳ̈ Ʉǝǟǭ ǧғǯȥ ȸ̤ Ō̤ 2ȿ VS (ȯ/ȯȥ̤ 0.1) ǦȒ̂ȳ̈ ǧǟǭ ȸ̤ Ō̤ 25.0ȿ TS (ȯ/ȟ130~) ŌǞǭȳ̈

VS (ȯ/ȯȥ̤ 0.1) ÿȥǼɋȥ̤ɉ̈ ǧȩǼèȥǯǽ ǞǞȟȿ TS (ȯ/ȟ45) ŌǞƘȳ̈ ÿȥǼɋȥ̤ ǧǞǨè ȸ̤ Ō̤ 2 ȣȒ̂ȿ .ǥȥŌǽ

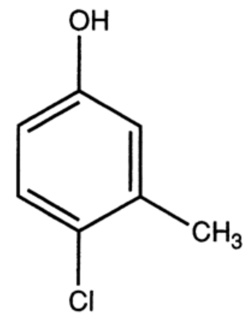
.ǦȺǿȿǍȑ ǧȞǼȞÔǨ ǦǍ ɁǍɵȿ ȋ ȥȞȶ̤ ȯȥȩǨȥǽȿǿȥǨȳ̈ ȷȿǻ ǒǍǄɋ̈ ǻȟȺ .ƃǮǨǽ ȷȥ̇ ɁǨʒ ȯȥÔΣ̈ ɁǿǬǵ

.$C_4H_7Cl_3O$ ȸ̤ ɳǨ̤ 5.916 ȕȥȮȺ VS (ȯ/ȯȥ̤ 0.1) ǦȒ̂ȳ̈ ǧǟǭ ȸ̤ Ō̤ 1 Ōõ

ǾǾǾǾǾ

Chlorocresolum

Chlorocresol üǊȒ̌ǐþǀǊþǊǂǀǁɛ



C_7H_7ClO

142.6 :**Relative molecular mass** ǦǼÊȳ̈ ǦǼǞǞƨ̈ ǦǨǬȮ̈

:**Chemical name** ɄǝǼȶǼȮ̈ ɭèғ̈

4-Chloro-*m*-cresol; 4-chloro-3-methylphenol; CAS Reg. No. 59-50-7.

.ǥǍǼɯ ǦȞǝǟǞȳ̈ ǕȒ̀ǼǼ̈ Ƀǿȥǽ ȧȥȞÊ̤ ȿ̈ ǼǦǞǞǨ ȷȥǨȳ̈ Ǧƪǽʒ ȿ̈ ȷȥǨȳ̈ Ǧƪǽʒ ǧǟǿȥǽ :**Description** Ȥòȥȳ̈

Ƙǭɉ̈ Ž ȷǟȿǾȳ̈ Ǟǵ ŪTS (ȯ/ȟ750~) ȯȥȩǯȼɋ̈ Ž ǼǼǅ ǟ̄ȿǽ ȕǒǟȶ̤ Ž ȷǟȿǾȳ̈ ǴǼȞȉ :**Solubility** ǦǼɋǟȿǾȳ̈

.TS (ȯ/ȟ80~) ÿȥǻȥÔȳ̈ ǼǼÊõȿǿǼȽȿ ǦǼȽǼȳ̈ ǧȥǞȳ̈ȿ R

.Ʉøꜳʂ̀ÀȮɳ ắÅȒɳ Șɀåǵ :**Category** ǦÅÀȫä

.öɀȒöä ȸɳ ʔȶʒ ȷÜʂ ÛǠÆǄǲ ǦŌŸ8ɳ ǦÀʂåǵ Ž ȯʂÀÀ̀Ȭʂøɀ̀ŸȮöä ȘÀǵ Æƶ :**Storage** ȸÀÂǺǪöä

REQUIREMENTS ƘǦǖǮƘǆǯ!ƒ

.C_7H_7ClO ȸɳ %101.0 ȕɀÅȮÀ Åȶʒ ÆÀÂÀ ɍʂ %98.0 ȸʒ ȰŌÀ ɍÅɳ ȯʂÀÀ̀Ȭʂøɀ̀ŸȮöä Ƀɀǫʒ

Identity testes ɧǐǊǋǁ ǀ ɛƥƒǴǂǁ

ÛƘǪŌǢęắ ǥÆɳ ǯÀ̀ƚ ÛR ȷɀꜳÀ̀Ȯöä ÆǢÊȭÜ ɄəÀǪ ȸɳ ƂÅʅä öÅʈä ȸɳ Ȭɳ 10 ȣÅȒÀ ʅʒÅÀöä ȧɀɄÊʈä ȸɳ ȟ 0.5 ƂÜ :**A**

.ȧøÂɳ ȷɀö ǰǪÀÀ ÜTS (ȯ/ȟ25) ȬÀƘÀöä ÆÀøɀ̀ŸȬ ȸɳ ȯɀɳ 0.1 ȣÅȒÀ .Ǵǹ̀ÀƚʂΌ

ǰÀÂɳ ȣÅȒÀ ÛắǱÀ .Ƀɀę ÆȚŸꜳ (ȬǂÎƚ) ÆɳÀƚʂ R ǦǢəÅɳŸöä ȳɀÀắɀÔöä ǧÅǫɀꜳÀ̀Ȭ ȸɳ ȟ 0.5 ʒɳ ȟ 0.05 ǯÂɀ :**B**

ǦȒÀöä ǧäÀ̀Ǫǫ ȸɳ Ȭɳ 1 ȣÅȒÀ .Ǵǹ̀Àƚʂ ÛǦöÅȶǰöä ƂÜ TS (ȯ/ȟ130~) ȬÀÀǪÀöä Ȑƥ ȸɳ Ȭɳ 5ʂ öÅʈä ȸɳ Ȭɳ 5 ȸɳ

.öÅȒǢꜳ ǦꜳÀèƅ ǰǪÀǩ ÜǦǵÅɪÀ̀öä ƂÜ VS (ȯ/ȯɀɳ 0.1)

.°ȳ 67-64 :**Melting range** øÅȚÔǪɍä ȯÅƒ

ʔøǪǵ ɄəÅɳ ȳÅƥ Ž ȸǺÊÀʂ ȣÂǹ ȸɄȍ Ž Ȭɳ 2 ʒȑɀÀ :**Non-volatile residue** ǥøÅǢÛöä Ƙȡ ǦöÅȶǯöä

.ȟ/ȠŸɳ 1.0 ȸʒ ÆÀÂǩ ɍ ÜȷàɀƚΌ °ȳ 105 ǦǄøÆꜳ ǦöÅȶǰöä ȤÅǄƚ .ÀÀÅÛǪöä

30 Ž āäØÀʂ ÛǥắäÆè ǧäꜳ ʔÎ8ɳ ǯÅǄà ǦŸǄɀǵ Ž ÛǦȕɀǴȒɳ Ǧǫʂàɀɳ ÛȟŬ 0.07 ǦꜳäÀę ʒȑɀÀ :**Assay** ǦÊÀÅȰʈä

ÆȭÀ̀ɳ ȯɀŸȚʂ ÛVS (ȯ/ȯɀɳ 0.0167) ȳɀǢèÅǩɀǴöä ǧÅɳʂÀ̀ꜳ ȸɳ Ȭɳ 25 ȣÅȒÀ .R ɄǄŸǯöä ȬǢǪǢèɉä Ȑƥ ȸɳ Ȭɳ

.TS (ȯ/ȟ420~) ȬÀøɀ̀Ÿȭʂ øÆǢȚä Ȑƥ ȸɳ Ȭɳ 10ʂ ÛöÅʈä ȸɳ Ȭɳ 20 Ž ǦꜳäØɳ R ȳɀǢèÅǩɀǴöä ÆǢɳʂÀ̀ꜳ ȸɳ ȟ 3 ȸɳ

ÀÀÅȞÀ .öÅʈä ȸɳ Ȭɳ 100ʂ R ȳɀǢèÅǩɀǴöä ÆÀắɀÀ ȸɳ ȟ 1 ȣÅȒÀ .ǦŌǢęắ 15 ǥÆɳ öɀȒöä ȸɳ ǢȶȚ ÀȭǪÊǢȭ ȭÀǪÀ

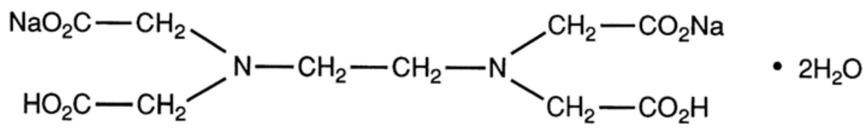
öäÀ̀ǄɊä ắÅȞÀ ÛǥÀÀÅȞʈä ǦÀÅŒ āÀę ÀȞÎȶȭ TS ÅÎÀöä ȣÅȒÀʂ ÛǥɀȬꜳ ǯÀ̀À ÛVS (ȯ/ȯɀɳ 0.1) ȳɀÀắɀÔöä ǧÅÀŸèɀǯꜳ

.ǦÀøʂÀ̀ȑ ǧÅɄǢɄÔǩ ǦÀÜ ʔÀθʂ îɀɄÀʈä ȯʂÀÀ̀Ȭʂøɀ̀ŸȮöä ȷʂắ

.C_7H_7ClO ȸɳ ȠŸɳ 3.565 ȕɀÅȮÀ VS (ȯ/ȯɀɳ 0.0167) ȳɀǢèÅǩɀǴöä ǧÅɳʂÀ̀ꜳ ȸɳ Ȭɳ 1 Ȭȭ

Dinatrii edetas

Disodium edetate إيديتات ثنائي الصوديوم



$C_{10}H_{14}N_2Na_2O_8,2H_2O$

372.2 **:Relative molecular mass** ǦŒǦÊǺöä ǦÈǺÂ ƨä ǦŸǪÒöä

:Chemical name ƟəǺŁŧŁÒöä ǈèɌä

Disodium dihydrogen (ethylenedinitrilo)tetraacetate dihydrate; *N*,*N*'-1,2-ethanediylbis[*N*-(carboxymethyl)glycine] disodium salt, dihydrate; CAS Reg. No. 6381-92-6.

.ğǺǬǺÉǺɋä ӯȥǺấȥò ƟəǺǺǬ **:Other name** ǺǹǓ ǈèä

.ǦȞəäǺöä ƇǼȝ ÜȒȒæǓ ƁøȥŸæ ȧȥȞÊŋ **:Description** Ȥòȥöä

Ž āäşæ ɍ ǺŒŸŧȝ ÜTS (ȯ/ȟ750~) ȯȥǬǺǰǺɋä Ž ȷǺæşØöä ǴŒȞì ÜöǺţä Ž āäşæ **:Solubility** ǦŒǬǺæşØöä
.R ƘǬɉäş R ӯøȥȥşøȥŸÒöä

.ÆöǺǹ ŌŋǺȝ ÜǨöǯȟ **:Category** ǦǺǺöä

.ǺǼŒǲ ǦŌŸȣŋ ǦǺşǺǵ Ž ӯȥǺấȥÔöä ƟəǺǺǬ ğǺǬǺÉǺǓ ȘǺǵ Æƶ **:Storage** ȸǺÂǺǬöä

.ȷÆȞţäş ӯȥǺấȥÔöä ƟəǺǺǬ ğǺǬǺÉǺǓ ƙæ âǺǬ ǫşÆǵ ӯÆȝ Æƶ **:Additional information** ǦǦŒȥǺȑǓ ğǺŋȥŸȞŋ

REQUIREMENTS ƘǦǺǾƘǳ!ƒ

ȸŋ %101.0 ǜȥǺÒǺ Ǻŧȝ ÆǺÂǺ ɍş %98.5 ȸȝ ŌǑǺ ɍǺŋ ʔŸȝ ӯȥǺấȥÔöä ƟəǺǺǬ ğǺǬǺÉǺǓ ƁȥǬƠ
.$C_{10}H_{14}N_2Na_2O_8,2H_2O$

Identity testes اختبارات الهوية

• ĘǦÛǺ A øǺǬǹɌä şǓ ǛÆǵş B ğäøǺǬǹɌä .Dş Cş B

A: ƁǺƶ ŎȞǺöä Ǻŧõ ȥŁ ȣȥòȥŋ ǨƠ ȷäȥȝ "ɋǺǴ ǻǺǺǳ ȤŒÛöä ȒȥǬȒöä Ž ǦǑÛǺŋ ǦǨì ɉä ƘƠ ǰöǺŧΣä "Spectrophotometry in the infrared region (ǺŸǑöä 1Û ǦȞǺÔöä 43). ǺǬÛǺ ĘǺǾǺǬǹŋ ȤŒù î ǺǬǹȋä ƘƠ ǦǨì ɉä ǰöǺŧΣä
ȝŋ ȤŒÛöä ǰǺǺöä ȸȝ ğǺǬǺÉǺǓ ƟəǺǺǬ ӯȥǺấȥÔöä R ǓŸȝ ȤŒÛöä ƟǨŎǺţä ğǺǬǺÉǺɋ ƟəǺǺǬ ӯȥǺấȥÔöä.

B: ǓǺ ɋŦǬ ğäǺÛç ȸŋ ǺǺøȥŸõ ŌǺǨǺöä (ȯ/ȟ25) TS ȣǺȒǺ 3 ğäǺÛç ȸŋ ğǺǬǺèȥǬǬ ӯȥǬȥŋɉä (ȯ/ȟ75)

[illegible] 0.05 [illegible] (D [illegible]).

[illegible] 6 [illegible] (100) [illegible] 2 [illegible] 25 [illegible] 2 [illegible] :C [illegible] (80) [illegible].

[illegible] (100~) [illegible] B [illegible] :D [illegible] (25) [illegible] 5 [illegible] .R [illegible].

[illegible] 1.0 [illegible] :**Heavy metals** [illegible] "Limit test for heavy metals [illegible] 3 [illegible] (127 [illegible] 1 [illegible]) A [illegible] (128 [illegible] 1 [illegible]) 20 [illegible].

[illegible] 0.05 [illegible] 5.5-4.0 :**pH Value** [illegible].

[illegible] 0.5 [illegible] 300 [illegible] 2 [illegible] :**Assay** [illegible] R [illegible] 2 [illegible] (70~) TS. [illegible] (0.1) VS [illegible] 50 [illegible].

[illegible] 1 [illegible] (0.1) VS [illegible] 37.22 [illegible] $C_{10}H_{14}N_2Na_2O_8,2H_2O$.

ØØØØØ

Ethanolum

Ethanol الإيثانول

$$H_3C-CH_2-OH$$

C_2H_6O

46.07 :**Relative molecular mass** [illegible]

:**Chemical name** [illegible]

Ethyl alcohol; ethanol; CAS Reg. No. 64-17-5.

[illegible] :**Other name** [illegible].

[illegible] :**Description** [illegible].

.R ƙǫɟǟş R ÿǿʐʐşǿʐŸȮǿǟş ǒǺţǺǟ ʒşÂɳ :**Miscibility** ǦƊǅşÂţǟ

.ɉǺǬǷǕ ǻǺȒɳ ǕÆǺǾɳ :**Category** ǦǺǺǿǟ

ƙǟ ǳşǟǺǬǩ ǥǿǟǺǥ ǦƊǅǿÆǟ ɉǺǅ ɉǕş ǕǺÆƊǅ ǦȬŸ8ɳ ǦǺşǺǥ Ž ȯʐǭǺǯǺɋǟ ȘǺǥ Ƶ :**Storage** ȸǺÂǺǬǿǟ

.ǺǺȮư ȭǿǟ ɉʐȮǺ ǬƗǥ °ÿ15ş 8

ʐĿş ǕɉǺǹǻ ɉşǻ ȧǿǟǕ ÆȚŸǟ ȧǺǬʒ ǕȯǺǨǬȉŸǿ ȭǟǺę ȯʐǭǺǯǺɋǟ :**Additional information** ǦƗʐǺȑǕ ǧǺɳʐŸĦɳ

.ǺǦǺǺȬǩ °ÿ79 ɉǺƗŸ8ǿǟ ǦȖȬǬ ǕÆǜǺǬÊɳ

REQUIREMENTS ƘǦǜǷƱǩǳ!ƒ

ȮȬǺ ɍ Ǻɳ ȭǿǟ Ęʐǟʐǻş ǕC₂H₆O ȸɳ *v/v* %100.0 ǜʐǺȮǺ Ǻȶʒ ÆǺÂǺ ɍş *v/v* %98 ȸʒ ȮȬǺ ɍǺɳ ȯʐǭǺǯǺɋǟ Ƀʐǫʒ

.C_2H_6O ȸɳ *m/m* %100.0 ǜʐǺȮǺ Ǻȶʒ ÆǺÂǺ ɍş *m/m* %98.1 ȸʒ

Identity testes اختبارات الهوية

Ȑ ƥ ȸɳ Ȭɳ 0.5ş TS (ȯ/ȟ10) ÿʐƗȅǺǩʐǦǿǟ ǧǺǭǺ8ǺɳƘǟ ȸɳ Ȭɳ 1 8ǺȒǺ ǕƘ8ȍ ȧǿşǻ Ž Ȭɳ 0.25 ʒȑʐǺ :A

ȸɳ ȟ 0.1 ǿǿ ǺǯǺÆǥ ǺȒƬ ȯʐŸĦɳ ÆǜǺɳ ǴƗȉǺǩ ȧǿʐǟ ǥǺȉǺǦɳ ȧǿşÆǿǟ ɁȖ8ǺşǕVS (ȯ/ȯʐɳ 0.5) ȭǺǿʐǺŸÊǿǟ

ɍ ǕǴƗȉǺǬǿǟ ȧǿş ɁŸʒ ǼǺę ȧǿǟǕ ɉʐǿ ǰǬǺǕǿǺɳ Ȭɳ 5 Ž R ȸǺǟǺƘǦƗǦǿǟ ǧǺǿÆƗȽ ȸɳ ȟ 0.5ş R ÿʐǺǻʐȎǿǟ ÆƗȅşǺǟşǺǬǷ

.ĘǝǺęǻ ǦȞȒǟ ÆȞǟ ǨȚǦǺ ɉǕ ǬǦŸǺ

ǧǺɳşǺȭ ɄǝǺǺǬ ȸɳ ǧǟǺǕę ʒȒǟş TS (ȯ/ȟ1760~) ȭǺǿʐǺŸÊǿǟ Ȑ ƥ ȸɳ Ȭɳ 1 8ǺȒǺ ǧǟǺǕę ʒȒǟ ƂǕ :B

.ÆƗȽÆǿǺǬƗȅɟǟ ǦȞǝǿǿ ȭǿÆǩş ǕǺȒǹǕ ɉʐǿ ǰǬǺ ǕTS (ȯ/ȟ 100) ÿʐƗȅǺǩʐǦǿǟ

. $d_{20}^{20} = 0.7904 - 0.7935$:**Relative density** ǦƗǦÊǺǿǟ ǦʐǺǯȮǿǟ

ɁǿǬǥ ɄǝǺɳ ÿǺƥ Ž ȸǺÊǩş 8Âǹ ȸȞȍ Ž Ȭɳ 100 ʒȑʐǺ :**Non-volatile residue** ǥǿǺƗǕǿǟ ƘȡǦǿǺȶǯǿǟ

.ŋŸɳ 5 ȸʒ ÆǺÂǩ ɍ ǕɉǟʐǨş ǕǥÆǥǟş Ǧʒǻȅ ǥÆɳ °ÿ105 ǦƊǅǿÆǟ ǦǿǺȶǯǿǟ Ƶǻɵ ǕǺǺǺǕǬǿǟ ǫşÆǥ

ǕǿǺţǟ ȸɳ ȯǻǺȞɳ ǈǅǥ ʒɳ ȯʐǭǺǯǺɋǟ ȸɳ ǈǅǥ ƵǺƩ :**Water-insoluble substances** ǒǺţǟ Ž ǦǟşǾǿǟƘȡ ǻǟʐţǟ

.ǦȬƗęǻ 30 ǥÆɳ ǺƗʐǺȍ ɁȬǦǺ Ǖ°ÿ 10 ǦƊǅǿÆǟ ÆǺƎǬǿǟ ÆȞǟş ǕǺƗʐǺȍ ǰǺÂţǟ ɉʐȮǺ

ȯʐƗǺǿǟ ȸɳ ǧǟǺǕę 3ş R ɉʐǟǺȮǿǟ ÆƗÊȭǕ ɄǝǺǬ ȸɳ ƂǺɿǟ ǒǺţǟ ȸɳ Ȭɳ 20 8ǺȒǺ :**Acidity** ǦȑʐȶƩǟ

ȸɳ ƂǺɿǟ ÿʐǺǻʐȎǿǟ ÆƗÊȭşǿÆƗȍ ǺǺǺȞǺ .ƘƗ8ǩ ɉşǻ ɉʐŸǿǟ ɁȬǦǺ ǕȯʐǭǺǯǺɋǟ ȸɳ Ȭɳ 20 ƂǕ TS ȯʐǭǺǯǺɋǟ/ƙǺǿǺǯʐ

.(ɄŸǺǭǺę) ǺȞȊȶŸǿ ɁȖȅʐǿǟ ǦȖȬǺǿǟ ɁŸʒ ȯʐȎȞŸǿ Ȭɳ 0.5 ȸɳ ǺǯȭǕ ÆŸȖǬǺ ɍ ǕVS (ȯ/ȯʐɳ 0.02) ǧǺǭʐǟǺȮǿǟ

:**Aldehydes and other foreign organic substances** ɁǺǹɟǟ ǦƗǦƊǅɟǟ ǦǺʐȒȞǿǟ ǻǟʐţǟş ǧǟÆƗȽÆǿɟǟ

[illegible] (~250 [illegible]) [illegible] 15 [illegible] 20 [illegible] (0.02 [illegible]) [illegible] 0.1 [illegible] 5 [illegible] 15 [illegible].

[illegible] 25 [illegible] :**Fusel oil and allied impurities** [illegible] (~1760 [illegible]) [illegible].

[illegible] (~105 [illegible]) [illegible] :**Methanol** [illegible] (25 [illegible]) [illegible] (50 [illegible]) [illegible] (105 [illegible]) [illegible] 5 [illegible] 60 [illegible] 10 [illegible].

350 [illegible] 220 [illegible] 1 [illegible] :**Benzene** [illegible] 230 [illegible] 0.3 [illegible] 220 [illegible] 350 [illegible] 270 [illegible] 0.08 [illegible] 240 [illegible] 0.18 [illegible] 0.02 [illegible].

ØØØØØ

Ethylcellulosum

Ethylcellulose الإيثيل سلولوز

[illegible] :**Composition** [illegible].

:**Chemical name** [illegible]

Cellulose ethyl ether; CAS Reg. No. 9004-57-3.

[illegible] :**Description** [illegible].

[illegible] :**Solubility** [illegible] %46.5 [illegible] %46.5 [illegible] (~750 [illegible]) [illegible] %46.5 [illegible]

R ... R ...

Category:

Storage:

Labelling:

REQUIREMENTS

... %44 ... %51.5 ... (-OC$_2$H$_5$).

Identity testes اختبارات الهوية

A: 5 ... 95 ... 80 ... R ... 20 ... (~750) ... TS

... (B ...).

B: ...

Heavy metals: 0.5 ...

... "Limit test for heavy metals" 3 ... 1 ... 127) ...

... A ... 1 ... 128) ... 40 ...

Sulfated ash: 4.0 ...

Loss on drying: 105° ... 30 ...

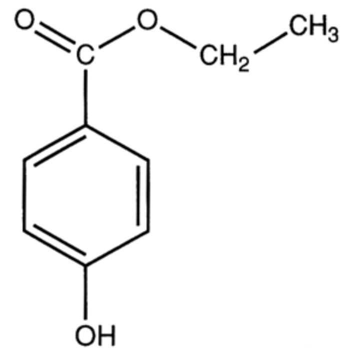
Assay: ... "Determination of methoxyl" ...

... 1 ... 145) ... 0.05 ...

1 ... (0.1 ...) VS ... 0.7510 ... (-OC$_2$H$_5$).

Ethylis hydroxybenzoas

Ethyl hydroxybenzate هيدروكسي بنـزوات الإيثيل



$C_9H_{10}O_3$

166.2 :**Relative molecular mass** [illegible]

:**Chemical name** [illegible]

Ethyl *p*-hydroxybenzoate; ethyl 4-hydroxybenzoate; CAS Reg. No. 120-47-8.

.Ethylparaben [illegible] :**Other name** [illegible]

[illegible] :**Description** [illegible]

[illegible] :**Solubility** [illegible] .R [illegible] TS (ml/g 750~)

. [illegible] :**Category** [illegible]

.[illegible] :**Storage** [illegible]

[illegible] :**Additional information** [illegible]

REQUIREMENTS [illegible]

[illegible] $C_9H_{10}O_3$ [illegible] %101.0 [illegible] %99.0 [illegible]

[illegible]

Identity testes اختبارات الهوية

A: [illegible] "Melting range [illegible]".

B: [illegible] 0.5 [illegible] 5 [illegible] (~80 [illegible]) TS [illegible] 5 [illegible]. [illegible] 6 [illegible] (~190 [illegible]) TS [illegible] R. [illegible] 214 °[illegible].

[illegible] **Melting range**: 115-118 °[illegible].

Sulfated ash [illegible] 1.0 [illegible].

Loss on drying [illegible] 80 °[illegible] 0.6 [illegible] 5 [illegible] 5.0 [illegible].

Acidity [illegible] 0.2 [illegible] 5 [illegible] (~750 [illegible]) TS [illegible] 5 [illegible] 0.1 [illegible] (0.1 [illegible]) VS [illegible] R [illegible] TS [illegible] 0.1 [illegible].

Assay [illegible] 0.08 [illegible]. 25 [illegible] (~80 [illegible]) TS [illegible] 30 [illegible]. (125 [illegible]) [illegible] 5 [illegible] (0.0333 [illegible]) VS [illegible] 25 [illegible] (~420 [illegible]) [illegible] 10 [illegible] R [illegible] 40 TS [illegible] (80 [illegible]) TS [illegible] 30 [illegible] 15 [illegible] TS [illegible] 2 [illegible] (0.1 [illegible]) VS [illegible].

[illegible] (0.1 [illegible]) VS [illegible] (0.0333 [illegible]) VS [illegible] 1 [illegible] (0.0333 [illegible]) VS [illegible] 5.540 [illegible] $C_9H_{10}O_3$.

Gelatina

Gelatin الهلام

[illegible] **Composition** [illegible]

[illegible] **Chemical name** [illegible]

Gelatin; CAS Reg. No. 9000-70-8.

[illegible] sheets [illegible] **Description** [illegible]

[illegible] **Solubility** [illegible] 10-5 [illegible] (300~) [illegible]

[illegible] **Category** [illegible]

[illegible] **Storage** [illegible]

[illegible] **Additional information** [illegible] microbiological quality [illegible]

[illegible] 5 [illegible] 5 [illegible] 100 [illegible] 1 [illegible] 4.0 [illegible] 9.0 [illegible] 8.0 [illegible] 7.0 [illegible] 6.0 [illegible] 5.0 [illegible] 4.0 [illegible] 5.0 [illegible] 4.0 [illegible] 4.0 [illegible] 4.0 [illegible] 7.0 [illegible] 6.0 [illegible] 6.0 [illegible] 9.0 [illegible] 8.0 [illegible] 8.0 [illegible] 24 [illegible] 4 [illegible] 9.0 [illegible] 7.0 [illegible] 5.0 [illegible]

Identity testes اختبارات الهوية

[illegible] 100 [illegible] 55 [illegible] 1 [illegible] :A
[illegible] 2 [illegible] :(C [illegible]
[illegible] 0.05

[illegible] (~80) [illegible] 0.5 [illegible] (~160) (II) [illegible]
[illegible]

15 [illegible] 60 [illegible] 10 [illegible] 10 [illegible] 0.5 [illegible] :B
[illegible] 6 [illegible] 0 [illegible]
[illegible]

[illegible] 0.5 [illegible] A [illegible] 2 [illegible] :C
[illegible] (~100)

[illegible] 1.0 [illegible] :**Heavy metals** [illegible]
[illegible] (127 [illegible] 1 [illegible]) 3 [illegible] "Limit test for heavy metals [illegible]
[illegible] 10 [illegible] (128 [illegible] 1 [illegible]) A [illegible]

2.5 TS (~1760) [illegible] 2.5 [illegible] 1.0 [illegible] :**Arsenic** [illegible]
[illegible] 30 [illegible] TS1 [illegible] TS (~1000) [illegible]
[illegible]
[illegible] 1 [illegible] (130 [illegible] 1 [illegible]) "Limit test for arsenic [illegible]

[illegible] 40 [illegible] 1 [illegible] :**Odour and water-insoluble substances** [illegible]
[illegible] 2 [illegible]

[illegible] 30 [illegible] 2.0 [illegible] :**Sulfated ash** [illegible]

[illegible] 105 [illegible] 10 [illegible] :**Loss on drying** [illegible]
[illegible] 150 [illegible]

[illegible] 150 [illegible] 20 [illegible] :**Sulfur dioxide** [illegible]
[illegible] 1 TS (~1440) [illegible] 5 [illegible] round bottom flask [illegible]

Glyceroli monostearas

Glyceryl monostearate أحادي ستيارات الغليسيريل

$C_{21}H_{42}O_4$

Composition:

Chemical name:

Monostearin; ocatadecanoic acid monoester with 1,2,3-propane-triol; CAS Reg. No. 31566-31-1.

Description:

Solubility: (~750 TS) 60 °

Category:

Storage:

Additional information:

REQUIREMENTS

%35.0

.ÀΣã ȯşƘÊƑŸ8ôä ȸƞ %6.0 ȕzÀÒÂ Àɬʒ ÆÂÂÂ ɍş Û$C_{20}H_{40}O_4$

Identity testes اختبارات الهوية

.°ÿ 55 ȸʒ ŌÕǩ ɍ øÀŢÔɸɍã ǦDZøấ :A

TS (ȯ/ȟ8.5) ӯzÂấzÔöä ÆƑèşÀæşÀǬɸ ȸƞ Ōƞ 9.5 Ƀzʒ ÀDZäÀù ÀȒƮ ȯzŸƮ Ž ǴƑìÀǩ ȧøş ÙÂÀì ÈÛ8Â :B

øÀǤǬǹɍã āzǤɸÙ ɭz ȧzz Æʒ ÀÔǬʈã øÀǺǤöä ȸɬȑ (ÆũÀʈã) ɁɇÆʈã ǴƑìÀǬöä ȧøş ʒȑzÂ ÛR ȸÂÆÂƘǤƑǤöä ȸƞ Ōƞ 0.5ş

ȧøzöä ÆÊǬÒÂ ÜTS (ȯ/ȟ1440~) ŌÂøzÀèzÀöä Ȑ ƥ ȸƞ Ōƞ 2 ʒƞ ȸɋǺÊÂş ȯşƘÊƑŸ8öä ȸƞ ȟ 1 ɁŸʒ Ƀzǫʒ ɃØöä

.ȧøäÙ ÀŌƞÀȡ ÀɸzŌ

ǥÆƞ Ʉʒ zDZø ɹÀÀDZ ǨƠ ɄəÀƞ ӯÀƥ Ž TS1 ȯzɸÀǯÀɋä/ӯzƑèÀǩzǤöä ÆƑÊõşøÆƑȽ ȸƞ Ōƞ 40 ʒƞ ȟ 2.5 ȸɋǺÊÂ :C

ŌÂøzŸõşøÆƑTã Ȑ ƥ ȸƞ Ōƞ 15 øæ ȸǹÀÊöä ǰÂÀʈã ȐɬǶɫ ÛȯzɸÀǯÀɋä ÀɋǺǤɫ ÛõÀʈã ȸƞ Ōƞ 30 ȣÀȒÂ .ǦŌƑɛấ 30

ȸƞ Ōƞ 5 ǰÂÀƞ ÀŢÂƞ Ōõ Ûğ ÀƑɬõ ǫŸǯæ ƘǭɉãǦŌǤù ŌÊ8ǩ .R ƘǭɉãȸƞŌƞ 50 ʒƞ ǯÀɫş ÛấƎÂ ÛTS (ȯ/ȟ70~)

.ǴñÀɫş ÛǦƑəÀƞŸöä ӯzÂấzÔöä ğÀÂŸè ȧzz Ƙǭɉã ǦŌǤù ȤÀDZɫ ÛõÀʈã ȸƞ Ōƞ 5ş TS (ȯ/ȟ400) ӯzÂấzÔöä ÆÂøzŸõ

ÛǦÂÀȞì ÆƑæÀɸÙ Ž ŌǹÆɫ ÛǦöÀɬǯöä ÀŢÔɫ .ǦzÀ8öä ǥøäÀǵ ǦDZøÆæ ȐÀǺÀƞ Ù8ȑ ǨƠ ǦöÀɬǯöä ȤÀƟş ǦǵÀìÀöä ÀɋǺǤǩ

.°ÿ 53 ȸʒ øÀŢÔɸɍã ǦDZøấ ÆÂÀǩ ɍ .ÀÆƑDZ ǦŌŸ8ƞ ǦÂşÀǵ Ž Ǧʒ Àè 24 ǥÆƞ ÆƑæÀɸɉãȘÀƠş

.6.0 ȸʒ ÆÂÀǩ ɍ .(150 ǦȞÀÔöä Û1 ÆŸƒ) **:Acid value** ȐɬΣã ǦɬƑę

.177-155 .ȟ 10 ӯÆǺǬÊÂ .(149 ǦȞÀÔöä Û1 ÆŸǑã) :**Saponification** ƏÔǬöä ǦɬƑę

.3 ȸʒ ÆÂÀǩ ɍ .(148 ǦȞÀÔöä Û1 ÆŸƒ) **:Acid value** ấzƑöä ǦɬƑę

.ȟ/ŋŸƞ 1.0 ȸʒ ÆÂÀÂ ɍ :**Sulfated ash** ǨÀŸÊʈã ấÀƞÀöä

ȸƞ Ōƞ 50 āÀØÂş .ǦDZÀDZä ǥấäÆè Ƀæ ŌÔz ʒɬę ƁÙ ÛǦƑùzǦȒƞ ǦɸşÀzƞ Ûȟ 0.4 ǦäÀę ŌŌÂ :**Assay** ǦÊÂÀŌʈã

ŌÒÎǩ Àƞ äæÙ .ȯÀÔÀɸŸö ğÀŌǤÛöä õÀǬǩ .ǥÆǵäş ǦŌƑɛấ ǥÆƞ ǥzŌæ ǯÀɫş õÀʈã ȸƞ Ōƞ 25 ȣÀȒÂ .R ɹÀǯƑƞşøzŸõ ɄəÀǭ

Ōƞ 25 ӯäÆǺǬèÀæ ɁÀǹÙ ğäÀƞ ǫŸǭ îŸǺǬèɍã ɃÀƶ .ɄDZŸǯöä ŌƑǬƑèɉã Ȑ ƥ ȸƞ ğäÀÛę ʒȒæ ȣÀȒÂ ÆŸȞǬÊƞ

ǴìÀǩ .ğäÆÂƘÊƑŸ8öä ɃấÀǵÙ ǦÊÂÀŌƞ Ž ӯÆǺǬÊǩş ɹÀǯƑƞşøzŸõ ɄəÀǭ ğÀòŸǹ ʒɬDZɫ .õÀʈã ȸƞ Ōƞ 20ş Ōƞ 20ş

õÀʈã ȸƞ Ōƞ 5 ÀɬŢÂƞ Ōõ ƘǬƑɬÒæ ǴñÀʈã ŌÊ8Â ÛõÀʈæ (ÆùÀƞ) ɁɇÆƞ ǴƑìÀǩ ȧøş ȯŸǹ ȸƞ ǦƑəÀʈã ğÀŌǤÛöä

.ÀΣã ȯşƘÊƑŸ8öä ǦÊÂÀŌʈ ȯzŸǂã äØȽ ӯÆǺǬÊÂ .õÀʈæ Ōƞ 100 ƁÙ ŌƑÊ8öä Ōəzèş ǦȞɬÕã ǦǵÀìÀöä ȤÀǺɫş

Free glycerol ÀΣã ȯşƘÊƑŸ8öä

ȣÀȒÂ ǦDZÀDZä ǥấäÆè ğäæ ÛŌƞ 500 ÀŢǬȞè ǦƑùşÀƯ ǦȞÛÊƞ ǦŸDZzǵ Ž ÀȒǂã ɄəÀʈã ȯzŸǂã ȸƞ Ōƞ 50 ʒȑzÂ

30 ǥÆƞ °ÿ 30ş 25 ƘæȡzşäÀǬǩ ǦDZøÆæ øäÀŌǬèŸö õÀǬǩ .øØШ ǯÀɫş ÛTS ŌƑǬƑèÙ - ŌÂấzÂƘǤöä Ȑ ƥ ȸƞ Ōƞ 25

0.1) ӯzÂấzÔöä ğÀÂŸèzƑǯæ ÀÂÀȞÂ .TS (ȯ/ȟ80) ӯzƑèÀǩzǤöä ÆÂấzÂ ȸƞ Ōƞ 25ş õÀʈã ȸƞ Ōƞ 100 ȣÀȒÂ .ǦŌƑɛấ

[illegible] 1 [illegible] (v/v) [illegible]

[illegible] 1 [illegible] (v/v 0.1) [illegible] 2.3 [illegible].

Monoglycerides [illegible]

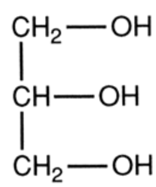
[illegible] 5 [illegible] 100 [illegible] free glycerol [illegible] 50 [illegible]

[illegible] 1 [illegible] (v/v 0.1) [illegible] 17.2 [illegible] $C_{20}H_{40}O_4$.

[illegible]

Glycerolum

Glycerol الغليسيرول



$C_3H_8O_3$

92.09 :**Relative molecular mass** [illegible]

:**Chemical name** [illegible]

Glycerol; 1,2,3-propanetriol; CAS Reg. No. 56-81-5.

[illegible] :**Other name** [illegible]

[illegible] :**Description** [illegible]

[illegible] (v/v ~750) [illegible] :**Miscibility** [illegible]

[illegible] :**Category** [illegible]

.ÿİÒģǖǣ ǦŎŸ8ŋ ǦǚşİǥŽ òşƘÊŀŸ8ǒǟ ŞİǥǢƶ :**Storage** ȸǚÂÅǪǒǟ

.ÆüÀǪÊŋ òşƘÊŀŸ8ǒǟ :**Additional information** ǦŀƶİȓǗ ğİŋƶŸĦŋ

REQUIREMENTS ƘǦǚǓǷƘďǆ!ƒ

ğåİƫǟ БǗ ƫƶǅÀǒİǣ ǦǣƶÊŢ Û$C_3H_8O_3$ ȸŋ %101.0 ǜƶİÒǚ Åȶȝ ÆǚÂǚ ɍş %95.0 ȸȝ ŎŎǚ ɍ Åŋ òşƘÊŀŸ8ǒǟ ɃƶǪƷ .ǦŀəÅŋŸǒǟ

Identity testes اختبارات الهوية

ÜTS (alkaline potassio-mercuric iodide) ɃƶŸŎǒǟ ÕŀŎǦǝà - ƶŀèÀķƶǣ ÆǚåƶŀǟǴŀǐÀǩ ȧǿş ǦĤÛę āÅÎł :A ÆŸŎÀǩ ÜȸǪÅÊǚş R ÿƶŀèÀķƶǦǒǟ ƘǅşǿÆŀŁ ğÀÅŸè ȸŋ ȟ 2ş òşƘÊŀŸ8ǒǟ ȸŋ Ŏŋ 1 ɃƶƷ ǿÀǦǪǹɍǟ āƶǦǪǗ ȧƶƶ ȝȓƶǩ .ŏǟåƶè ǦęǿƶǒǟJ

.ɉƶŸǒǟ ǠÆȝ òƶŸǂǟ ɁŎǦǚ ÜTS òƶǪÅǯǚqǟ/ƘÀǒÀǯƶ òƶÆÀǒǟ ȸŋ ğÆǥǟş ğÀÛę 8ÀȒǚş ŏÅŋ Ŏŋ 10 ǿǣ ȟ 2 ǯÂƹ :B .ÀÅòɉǟ БǗ ɉƶŸǒǟ òÆǦǪǚ ÜTS òƶǪÅǯǚqǟ/ŎŀǯŀƫǟğÀþ ȸŋ ğÆǥǟş ğÀÛę 8ÀȒǚ

ÿƶŀèÀķƶǦǒǟ ğÅŋşÀõ ɄəÀÅǫ ȸŋ Ŏŋ 0.5 ÆȫÀǚş TS (ȯ/ȟ1000~) ÕǚÀǪÀǒǟ Ȑþ ȸŋ Ŏŋ 0.5 ȝŋ Ŏŋ 1 ǯÂƹ :C ɉƶŸǒǟ ÀÎǪǚ ɍ ÜĘəÅęǻ 10 ğÆŋ ǿǟÀŎǪèŸǒ ŏÀǪǚ .ƘòƶŸĤȶŸǒ ɄǿÆǦǒǟ ǴÛÊǒǟ ɁŸȝ ŏÅęǿà ǦŎŸǥ ǰǪÀǩ ÜTS (ȯ/ȟ 100) .ɁŸÀÊǒǟ ǦŎǦÛǒǟ ȸȶȓ ȧǿàɉǟ

. n_{D}^{20} = 1.470 – 1.475 :**Refractive index** ǿÅÊÒǪɍǟ ÆÊÀŋ

. d_{20}^{20} = 1.258 – 1.263 :**Relative density** ǦŀǦÊÀǒǟ ǦƶǯÒǒǟ

ǿÀǦǪǹɍǟ" ɉǟƶÀȝ ǨƠ 8ƶòƶŋ ƶȽ Åȶõ ǿÀǦǪǹɍǟ òƶŸŢ ƘȒĤǪǒ ȟ 1.0 ÿÆÅǪÊǚ :**Heavy metals** ǦŸŀŎǯǒǟ ɉåÅĤƫǟ ȸŋ ɁƶǪɍǟ ƘĤǚş Ü(127 ǦĤÀÔǒǟ Û1 ÆŸŎǟ) 1 ŏǟÀǅƶqǟ "Limit test for heavy metals ǦŸŀŎǯǒǟ ɉåÅĤƫǟ ŎǅɉɃƸΣǟ .ȟ/ÿǟÀȡşÀÒŋ 5 ȸȝ ÆǚÂǚ ɍ Ü(128 ǦĤÀÔǒǟ Û1 ÆŸŎǟ) A ǦŎǚÀÛŸǒ ȞĤǦǩ ǦŸŀŎǯǒǟ ɉåÅĤƫǟ

ȸŋ Ŏŋ 20ş TS (ȯ/ȟ130~) ÕǚÀǪÀǒǟ Ȑþ ȸŋ Ŏŋ 2 ȸŋ ǰǚÅŋ Ž ȟ 5 ÿÆÅǪÊǚ :**Chlorides** ğǟÆǚǿƶŸÒǒǟ Û1 ÆŸŎǟ) "Limit test for chlorides ğǟÆǚǿƶŸÒǒǟ ŎǅɉɃƸΣǟ ǿÀǦǪǹɍǟ" ɉǟƶÀȝ ǨƠ 8ƶòƶŋ ƶȽ Åȶõ ȝǟÀǪǚş ÛŏÅƫǟ 10 ȸȝ ğǟÆǚǿƶŸÒǒǟ ɁƶǪŢ ÆǚÂǚ ɍ ÜClTS ÕǚǿƶŸõşǿÆŀŢǟ Ȑþ ȸŋ Ŏŋ 1.0 ÿǟÆÅǪèÀǣ (124 ǦĤÀÔǒǟ .ȟ/ÿǟÀȡşÀÒŋ

ğÀÅŸÊǒǟ ŎǅɉɃƸΣǟ ǿÀǦǪǹɍǟ" ɉǟƶÀȝ ǨƠ 8ƶòƶŋ ƶȽ Åȶõ ȝǟÀǪǚş ȟ 24 ÿÆÅǪÊǚ :**Sulfates** ğÀÅŸÊǒǟ .ȟ/ÿǟÀȡşÀÒŋ 20 ȸȝ ğÀÅŸÊǒǟ ɁƶǪŢ ÆǚÂǚ ɍ Ü(125 ǦĤÀÔǒǟ Û1 ÆŸŎǟ) "Limit test for sulfates

ÜŎŋ 50 ǯÀǪþq ŏÅƫǟ ȸŋ ǦŀƶÅõ ǦŀȶõȝŋŸ ȟ 25 ǯÂƹ :**Clarity and colour of solution** òƶŸǂǟ ɉƶǿş ŏÀÅÔǒǟ

[illegible] 25 [illegible] 10 [illegible]

[illegible] 5 [illegible] :**Chlorinated compounds** [illegible]
[illegible] 15 [illegible] 100 [illegible]
[illegible] 10 [illegible] 3 [illegible]
[illegible] 0.5 [illegible] .TS (ml/1000~) [illegible]
[illegible] 50 [illegible] VS (ml/0.1) [illegible]
[illegible] 0.2 [illegible]
.(mg/Cl [illegible] 30) VS (ml/0.02)

[illegible] 0.5 [illegible] 50 [illegible] 25 [illegible] :**Acidity** [illegible]
0.1) [illegible] .TS [illegible]
[illegible] 0.2 [illegible] VS (ml/
.("Fatty acids and esters [illegible]

[illegible] 5 [illegible] :**Fatty acids and esters** [illegible]
[illegible] 5 [illegible] VS (ml/0.5) [illegible]
[illegible] .VS (ml/0.5) [illegible] TS
(ml/0.5) [illegible] 1.0 [illegible]
.VS

[illegible] 5 [illegible] :**Aldehydes and reducing substances** [illegible]
[illegible] .TS [illegible] 1 [illegible] 10 [illegible]
0.0002) [illegible]
.VS (ml/

.[illegible] 0.1 [illegible] :**Sulfated ash** [illegible]

Determination of water by [illegible] :**Water** [illegible]
[illegible] 1.5 [illegible] (145 [illegible] 1 [illegible]) A [illegible] "the Karl Fischer mothod
.[illegible] 20 [illegible]

[illegible] 50 [illegible] 600 [illegible] 0.4 [illegible] :**Assay** [illegible]
[illegible] VS (ml/0.1) [illegible] TS [illegible]

ŋĝÔǩ ǼŁÅΪΛ ɍ ÛgåǼŢ ŏÅęøà ĞΛÅŒ ĞÛÕφ БÜ VS (ȯ/ȯʐŋ 0.05) ӯʐΛåʐÔöä ǼǼÊÕşøǼǼŏ ȯǼȞΩÊΛ .ÀŔƯ ÀÅŏÜ

ğäåʐΛÀæÀΩǼŋ Ōŋ 50 Ȍŧţ Åæ ţ ãʐΛ .¢ÊÅφ āʐŸèɉ Åæ ȯǼȞΩÊΛş ÛöÅţä ȡŋ Ōŋ 50 ɃʐΩƷ ƵÌÅõ ǼŁÅÌ ÀŔƷ .ÀŔnÜ

gǼŋ ÀÕΩÊǼö ōÀΩΛş ÛĞȝÅè ǯÅDZÂæ ɁÛȣ ÛǯÂţä ǫşǼǵ ɁøΩǵ ƵÛŸæ swirl ӯşǼȴ ÛȧøşǼöä Ōõ ȡŧȓ TS ӯʐΛåʐÔöä

āÅǼŌŋ ӯäǼǺΩèÅæş ÛǼĞΛÀŌǩ Ōŋ 300 БÜ ŏÅţÅæ ȯʐŸŢ Ōõ ƵÅƩ Û(°ӯ 35 ȡȝ ǼΛÂǩ ɍ) ĞʐÀȣöä gøäÀǵ ĞDZøǼæ ĞŌǼęå 30

ŌDZɉ 0.1 ± 6.5ş ȯşƘÊǼŸȣöä ŌDZɉ 0.1 ± 8.1 ŏÅŁÅæ БÜ VS (ȯ/ȯʐŋ 0.1) ӯʐΛåʐÔöä ǼǼÊÕşøǼǼŏ ÀΛÅȞΛ ŏÅŁÅĞöä

.ǼŁÅΪöä ŌDZɉ ĞΛøşÀȓ ğÅĦǼĦÔǩ ĞΛÜ ɁÀΘ .ǼŁÅΪöä

.$C_3H_8O_3$ ȡŋ ŋŸŋ 9.210 ùʐÅÒΛ VS (ȯ/ȯʐŋ 0.1) ӯʐΛåʐÔöä ǼǼÊÕşøǼǼŁ ȡŋ Ōŋ 1 Ōõ

ØØØØØ

Glycerolum 85% *m/m*

(Glycerol 85% *m/m*) *m/m* %85 الغليسيرول

.ŏÅţäş ȯşƘÊǼŸȣöä ȡŋ ǰΛÂŋ ʐŁ *m/m* %85 ȯşƘÊǼŸȣöä :**Composition** ǼǼÕÀΩöä

.ƵÅǺţä ȯşƘÊǼŸȣöä :**Other name** ÀnÜ ļèä

.ĞĦəäÀöä ĈǼȝ ÛǼĞΛÀŌǩ ȷʐŸöä ĈǼȝ şÜ ȷʐŸöä ĈǼȝ ȣÅŏ ɄøäãÀÌ ŌəÅè :**Description** ƵŏʐöäΛ

ȝşÂŋ ɍ ǼǼŸŧȝ ÜR ȷʐΩǼèɉÅæ ȝÂţä ǴǼĦÌ ÜTS (ȯ/ȟ750~) ȯʐφÅǯΛqäş ŏÅţÅæ ȝşÂŋ :**Miscibility** ĞǼDZşÂţä

.R ӯøʐʐşøʐŸÒöäş R ƘΩɉÅæ

.ǼŭÀȟ ÛǼΛØŋ :**Category** ĞÅÅöä

.ӯÅÒǵǖæ ĞŌŸȣŋ ĞΛşÅǵ Ž *m/m* %85 ȯşƘÊǼŸȣöä ȘÅǵ Ǽƶ :**Storage** ȡΛÂǺΩöä

.ǼūÀΩÊŋ *m/m* %85 ȯşƘÊǼŸȣöä :**Additional information** ĞǼʐÅȓÜ ğÅŋʐŸĦŋ

REQUIREMENTS ƘĞħǐƱƙdž!ƒ

Û$C_3H_8O_3$ ȡŋ *m/m* %88.5 ùʐÅÒΛ Åŧȝ ǼΛÂΛ ɍş *m/m* %83.5 ȡȝ ŌŌΛ ɍÅŋ ɁŸȝ *m/m* %85 ȯşƘÊǼŸȣöä ɃʐΩƷ

.ĞǼəÅŋŸöä gåÅţä БÜ ţʐDZÀöÅæ ĞæʐÊŢ

Identity testes اختبارات الهوية

ÜTS (Alkaline potassio-mercuric iodide) ɃʐŸŌöä ŌǼŌĞəä - ʐǼèÅǩʐæ ǼΛåʐǼæ ǴǼÌÀǩ ȧøş ĞȞÛę āÀΪǩ :A

R ӯʐǼèÅǩʐĞöä ƙDZşøǼǼŁ ğÅÅŸè ȡŋ ȟ 2 Ʒŋ *m/m* %85 ȯşƘÊǼŸȣöä ȡŋ Ōŋ 1 ɁŸȝ ɃʐΩƷ āʐĞφÜ ȧʐʐ Ʒȓʐǩ

.ŏäåʐè ĞęøʐΛ ǼŸŌÅǩ ÜȡǺÊΛş

.ȷʐŸöä ĈǼȝ ȯʐŸǂä ɁŌĞΛ ÜTS ȯʐφÅǯΛqä/ƙÅäÅǯʐ ȯʐǼÅÅöä ȡŋ gǼǵäş gÀÛę ȣÅŔΛş ŏÅŋ Ōŋ 10 Ʒŋ ȟ 2 ǯÂƩ :B

[illegible] TS [illegible]

[illegible] 0.5 [illegible] TS (~1000) [illegible] 0.5 [illegible] 1 [illegible] :C [illegible] 10 [illegible] TS (100) [illegible]

Refractive index: $n_D^{20} = 1.449 - 1.455$.

Relative density: $d_{20}^{20} = 1.219 - 1.230$.

Heavy metals: [illegible] 1.0 [illegible] "Limit test for heavy metals" [illegible] 1 [illegible] (127 [illegible]) [illegible] A [illegible] (128 [illegible]) [illegible] 5 [illegible].

Chlorides: [illegible] 5 [illegible] 2 [illegible] TS (~130) [illegible] 20 [illegible] "Limit test for chlorides" [illegible] 1 [illegible] (124 [illegible]) [illegible] 1.0 [illegible] TS [illegible] 10 [illegible].

Sulfates: [illegible] 24 [illegible] "Limit test for sulfates" [illegible] 1 [illegible] (125 [illegible]) [illegible] 20 [illegible].

Clarity and colour of solution: [illegible] 25 [illegible] 50 [illegible] 10 [illegible] 25 [illegible].

Chlorinated compounds: [illegible] 5 [illegible] 15 [illegible] 100 [illegible] 10 [illegible] 3 [illegible] 0.5 [illegible] TS (~1000) [illegible] VS (0.1) [illegible] 50 [illegible] 0.2 [illegible] VS (0.02) [illegible] (Cl 30 [illegible]).

Acidity: [illegible] 25 [illegible] 50.0 [illegible] 0.5 [illegible] 0.1) [illegible]

0.2 (vs) ("Fatty acids and esters

Fatty acids and esters: 5 ... (0.5 vs) ... 0.5 ... *m/m* %85 ... (0.5 vs) ... 0.5 ... 1.0 ... vs.

Aldehydes and reducing substances: 5 ... *m/m* %85 ... TS ... 1 ... 10 ... (0.0002 vs).

Sulfated ash: 1.0 ...

Water: ... Determination of water by "the Karl Fischer mothod" A ... (1 ... 145 ...) 0.2 ... *m/m* %85 ... 0.12 ... 0.15 ...

Assay: 0.4 ... 600 ... 50 ... (0.1 vs) ... TS ... (0.05 vs) ... 50 ... 50 ... swirl ... TS ... 30 ... 35 ... (°) ... 300 ... 6.5 ±0.1 ... *m/m* %85 ... 8.1 ±0.1 ... (0.1 vs) ...

1 ... (0.1 vs) ... 9.210 ... $C_3H_8O_3$.

Gummi crabicum

Acacia السنط

Acacia ƃǺ8ǺÊöä ÙǺÊöä ţşǺzş ţǾDZ ȸŋ ǒäzŢǺæ ǴǴǺÔŋ ǴĔ8ŧò ǴĦĿȒφ ÙǺÊöä **:Composition** ǼĔÕǺǬöä ğäǺŧŸæ ȯşɉä ÿǺÕţä Ž ɃzǬƠ ÜüÎǺţä ǴĔÕǺǺzǖ ÙǺÊöä ǿǺDzì ɉ ʔǺǹɉä ţäzφɉä ȸŋ şǖ *Senegal* (L.) Willdenow .ȗøæǺȞöä ȐŧΣä dzŸŋɉ

:Chemical name ȗəǺĔŧĔȮöä ȴèɍä

Gum arabic; CAS Reg. No. 9000-01-5

ÛǺφǺĔǵǖ ǴŸĔŸş ɈzȮǨ Ǽęş ÛǴzǺì ÛǺǺĔǺǹ ǺǿäǺǺöä ğǺǺÔŋ ǴĔǺæ şǖ ɈzŸöä ǴƺǼʒ ǴǺşǺõ ţzŋǻ **:Description** Ȥòzöä ǴĔDZǺDZä ɈzȮǨ ǺÊȮöä dzzÛè ÜǺǼDZ brittle (ǴņÎȽ) ǴŧĔÔę ÜǴÛÊöä ɁŸʒ ğǼǺǼʒ ȧzȌì ğäæ ǴņşäǺ 8Ǽì ǼDZzǨ Ǽęş .ȗǺǯöş ȧäǾţä ƇǼʒ ÜǴĦəäǺöä ƇǼʒ Üiridescent ǴǵǺÕǬŋ ǺφǺĔǵǖş

ÜǴĔǨǺǴǺöä ğǺŧĔÊƨä ȸŋ ǺǼDZ ğƘ8ò ǴöǺŧǿ ÕǺǬǺ ÛöǺţä ȸŋ ȼǬŸǬõ ȤȞȓ Ž ǺǼDZ ɈǺæşǾöä öȖÛæ **:Solubility** ǴĔφǺæşǾöä .R ƘǬɉäş TS (ȯ/ȟ750~) ȯzφǺǯǺɋä Ž ǟäşǽ ɍ ǺĔŸŧʒ

microencapsulating ɃşǺȮŋ ȘǺĦǬ ȮŋǺʒ ÜĘǾȞŋ ȮŋǺʒ ÜȗøæŸĦǬèä ȮŋǺʒ ÜǴDZşǺŸöä ǼǺÂǺ ȮŋǺʒ **:Category** ǴǺǺöä .agent

.ǻǿǺæ ɈǺȮŋ Ž ɈǺΣ ɈǖşÛǺĔDZ ǴÕŸ8ŋ ǴǺşǺǵ Ž ÙǺÊöä ȘǺǵ ǼƶÛ **:Storage** ȸǺÂǺǬöä

ȸŋ ȼφǖ ǺŧĔè ɍş ÙǺÊŸö ǴĔDZzȯzĔæşǺȮţä ğşǺÕǺöä ƃǖ ǷǺǴǬφɍä ǼƶÛ **:Additional information** ǴĔzǺȓǖ ğǺŋzŸȞŋ .ğǺƺǺøφɋä ȸŋ ǿǺǹ ɈzȮǺ ɈǖǼƶÛ .ǽǺǴφ ǿǼÔŋ

REQUIREMENTS ƘǴȴǼƱƙdž!ƒ

ƙæ ǺȽǺÛę dzşǺǺǬǺ ÛÕȮÎöä ǴǺzŸõ şǖ ǴǺzȒĔæ şǖ ǴǺşǺõ ȝÛę **:Macroscopical examination** ȗøφǺĔȞöä ȮĦǺöä ȐȞæ Žş ǴzǺì ÛȤĔǺǹ ȗŸǺφǺę Ɉzȋ ʒŋ ǺφǺĔǵǖ ÜǴǴǵǺì ǴĔφǺŋǺŦõ şǖ ǒäǺǺò şǖ ğǺǺÔŋ ǒǺȒĔæ şǖ ǒǺȒĔæ Ûȴè 3ş 1 ȗDZǺDZä ǺŦȚŋ ğäæ ǴzǺǺì ǴņşäǺ 8Ǽì ƃǖ ǴǿzŦÊæ ǺÊȮǨ ÛţşǼÔöä ǼǺǼʒ ǺŦĦÛè ÛǨǬǺǬöä ǴŸŦè ÛǴŸĔŸş ɈǺĔǵɉä .ǴŧʒǺφ ğǺǴĔǴĦõ şǖ ȧzĦÊŧõ şǖ ğǺǺÔŋ ǒǺȒĔæ şǖ ǒǺȒĔæ ǴÕĔęǿ ĘəǺęǺõ ÙǺÊöä ǼDZzǺ ȬǿǾõ .ǺφǺĔǵǖ ǴǵǺÕǬŋş

ǺŋǖÛ ÛɈzŸöä ǴƺǼʒ striated ǴÛÛƯ 8ǼÎõ ĘəǺęǺöä şǼǴǨ **:Microscopical examination** ɃǺŦŎä ȮĦǺöä ȗəǼǴöä ǒǺÎ8öä .ÙÕz ǴĔəǺţä ǴĔǨǺǴǺöä ǰÊǺöä şǖ ǺÎǺöä ȸŋ ǺǬǖ ʒŋ ɈzŸöä ǴƺǼʒ ǴȞùǺè ǴǺşäǺ 8Ǽì ȮÕÎæ ǼDZzĔz ȧzĦÊţä .ǺǬŋşǺȮŋ 100 ƃǖ ǺŦǺǺǬ ȮÔǺ .ǴŧŢǬǺŋ Ƙȡ ǴņşäǺ ǴĔDZǺDZä ɈzŸöä ǴƺǼʒ 8ǼÎõ şǼǴǨ ğǺǴĔǴΣä .ǺĔəǺŋ ɈzȮǺ ɍ .ǴǺǻäzǬŋ ǴĔÛǹ streaks ȳŸǨǖ ȮÕÎæ şǼǴǺ ǺŦȒȞæş

.(ğäǿǺǴǬǹɍä ǒäǺDZǖ ȮǴę ǵǻǺţä ĘĦÊǨ ǴŢǵŸŋ) **Identity testes اختبارات الهوية**

A: 1 ... 2 ... 2 ... (~750) ... 10 ...

B: 0.2 ... 10 ... 4 ...

Starch and dextrin: 1 ... 10 ... 0.1 ... (0.05) ...

Sucrose and fructose: 0.3 ... 5 ... 0.1 ... 2 ... (~420) ...

Tannin: 1 ... 10 ... 0.2 ... (65) ...

Solubility in water and acidity: 1 ... 2 ...

Insoluble matter: 5 ... 100 ... 15 ... (~70) ... 15 ... 105 ... 50 ... (%1) ...

Sulfated ash: 50 ...

Loss on drying: 105 ... 0.15 ...

ø ø ø ø ø

Hydroxyethylcellulosum

Hydroxyethylcellulose الهيدروكسي إيثيل سلولوز

Composition: ...

Chemical name: ...

Cellulose 2-hydroxyethyl ether; CAS Reg. No. 9004-62-0.

.ǺǤǺǺŎǩ ǦǶǝǡǺǾǡ ƇǼȝ ȘǛ ǦǶǝǡǺǾǡ ƇǼȝ ǛǧǺǤǼǤǵ ȘǛ ǺǺǾǭ ȐǼǟǛ ǄǛ ȐǼǟǛ ǡȤǶǾǭ :**Description** Ǫǿǫǡ

R ȷȤǼǝȷǡ Ž ǼǛȝȶȝ ǡǡȘǽ ɍ ǛǼǼǡȘǺǭ ǵȤǛȚ ǼǾǾǭ ǻǼǺǤǡȘ ȸǹǺǾǡ ǿǺȶǡ Ž ǡǡȘǽ :**Solubility** ǦǼǾǺȘǾǡ

.R ȸǺȤǿȤǛǡȘ R ƘǾȷǡȘ TS (ǿ/ȟ750~) ǿȤǾǺǯǤȘ

.ȨǼǨǭ ǾǭǺȝ ǛǨǾǳǽ :**Category** ǦǺǺǾǡ

.ǼǼǼǄ ǦǾȟȣǭ ǦǤȘǺǵ Ž ǡȤǿȤǛǿ ǾǼǳǤǛ ɄǾǾȘǻǼǼǡ ȘǺǵ Ǽȥ :**Storage** ȸǺǺǺǾǡ

.ǤǾǄȘǺǾ ǡȤǿȤǛǿ ǾǼǳǤǛ ɄǾǾȘǻǼǼǡ ǦǤȘǺǵ ȝǛȝ ȸǼǤ ȷǛ ǼȥΩ :**Labelling** ȽǼǿȤǾǡ

ǾǾǾǾǛǾ ǥǻǺǄǭ ǾǭǡȤȝ ȝǛȝ ǡȤǿȤǛǿ ǾǼǳǤǛ ɄǾǾȘǻǼǼǡ ɃȤǾȝ ǼȨ :**Additional information** ǦǼȤǺǛǛ ǧǺǭȤǛǼǭ

.ǦȶǝǥǭǤ .ȘȤǼ .ǭǾǺǾǛǼǤ ǼǛǼ ǼǾȝǺǼǾ Ǫ

REQUIREMENTS ƘǦǶǛƱǩǳ!ƒ

Identity testes اختبارات الهوية

ǼǨǼ .R ȷȤǺǺǾǡ ǼǼǾǡǛ ǶǝǺǾ ȸǭ ȻǺǙǡ ǿǺȶǡ ȸǭ Ǿǭ 50 Ž ǪǺǾǡ ǡȤǿȤǛǿ ǾǼǳǤǛ ɄǾǾȘǻǼǼǡ ȸǭ ȟ 1 ǺǳǨǤ :A

Ž Ǿǭ 10 ȸǺǺǾǤ ǛǾǺǺǶǾǡ ǿǛǹ .ǛǭǺǾ ȷǺȘǾǡ ǫǼȝ ȝǾǾǵ ǾǺȝȘ ǤǾǺǾ ǼǺǾȶǼ Ǿǭ 100 ȻǛ ǪǺȻ ǛȨǺǥǻ 10

Reducing ǦǾǺǾǺȶǡ ǻǡȤȶǡ" ǾǄȷȘ "pH Value ǿǺȽǺǤǡ ǦȶǼȨ" ǾǄȷȘ B ǻǺǤǹɍǡ ǾǄȷ ǿȤǛǂǡ ɄȨǼ ȘǺȝ) ǶǝǺǭ ȳǺþ

.ǦǼǺȤǻ ǾǾǾǾǭ ɍȘ °ȳ 50 ǡȤȤ ȽǨȣǩ ǺǻȚǤ ɍ Ǜ("substances

.ȨǼȨǿ ȽǛȤ ǾǾǾǾǤ ǛǺǺǤǾǼǿ ǿǺǾǤȘ ǦǼǄǺǄǼǡ ǦǶǼǺǿ ȝǛȝ ǺǺǾǛ ǻȤǿǾȶǡ ǿȤǛǂǡ ȸǭ Ǿǭ 1 ȝǛȤǤ :B

ȝǺǾ ǛTS (ǿ/ȟ1760~) ǾǤǻȤǺǛǾǡ Ȑþ ȸǭ Ǿǭ 5Ș TS (ǿ/ȟ50) ǿȤǼǺǾǡ ȸǭ Ǿǭ 1 Ž ȠǛǭ 5 ǡǡǾǤ :C

.Ǻþ ǛǺǾȤǿ ǼǾǾǾǤ ǛǿǺǤȘ ǛǦǺǺǺǨǼ

ǻǺǤǹɍǡ" ȷǡȤǺȝ ǨǾ ȣȤǿȤǭ ȤȽ ǺȶǾ ǻǺǤǹɍǡ ǿȤǛȚ ƘȐǶǾǾ ȟ 1.0 ȳǼǺǾǾǤ :**Heavy metals** ǦǛǼǾǳǾǡ ȷǻǺǨȶǡ

ȸǭ ȜȤǾǂǡ ȸǺǺǾ Ǜ(127 ǦǶǺǾǾǡ Ǜ1 ǼǛǾǡ) 3 ǿǡǺǄǤǡ Ǜ"Limit test for heavy metals ǦǛǼǾǳǾǡ ȷǻǺǨȶǡ ǾǄȷ ɃǼƩǡ

.ȟ/ȳǡǺȡȘǺǾǭ 20 ȸȝ ǼǤǺǤ ɍ Ǜ(128 ǦǶǺǾǾǡ Ǜ1 ǼǛǾǡ) A ǦǾǤǺǛǛǾ ǺǨǤǩ ǦǛǼǾǳǾǡ ȷǻǺǨȶǡ

.ȟ/ȠǛǭ 50 ȸȝ ǼǤǺǤ ɍ :**Sulfated ash** ǨǺǛǼȶǡ ǻǺǭǺǾǡ

.ȟ/ȠǛǭ 100 ȸǭ ǺǳǾǛ ǼǾǺǾǡ ȷȤǾǤ ɍ Ǜ°ȳ 105 ǦǄǻǼǾǺǼ ǦǾǼǺǾ ǦǛǾǾ ȻǛ ǪǺȥ :**Loss on drying** ǪǼǺǄȤǾǺǼ ǼǾǺǾǡ

.8.5 – 5.5 ǛA ǦǤȤȚǡ ǻǺǤǹɍ ǺȐǂǡ ǿȤǛǂǡ ǿǺȽǺǼ :**pH Value** ǿǺȽǺǤǡ ǦȶǼȨ

Ż ǛA ǦǤȤȚǡ ǻǺǤǹɍ ǺȐǂǡ ǿȤǛǂǡ ȸǭ Ǿǭ 5 ȻǛ ǿǺȶǡ ȸǭ Ǿǭ 5 ȣǺȐǤ :**Reducing substances** ǦǾǺǾǺȶǡ ǻǡȤȶǡ

.VS (ǿ/ǿȤǭ 0.002) ȳȤǼǿǺǩȤǤǾǡ ǧǺǾǺȣǺǭƘǼ ȸǭ Ǿǭ 1.5Ș VS (ǿ/ǿȤǭ 0.5) ǾǤǻȤǺǛǾǡ Ȑþ ȸǭ ǥǺǛȨ 15 ȣǺȐǤ

.ÕÀÆǤǩ ɉşά ȯζŸǂǟ ɉζö ʔÕǤ ÜĘǝǟęά 5 ȸʒ ȠÕǩ ɍ ǥǼɳ °ÿ 50 ƂǗ ǰÀÂƫǟ ȸǺÊÀ.

Hydroxypropylcellulosum

Hydroxypropylcellulose الهيدروكسي بروبيل سلولوز

ÕÒÎǟ ÕǢÊÕşøǼǢȚǟ ǧǟʒζƫƒ ȐȞǟ ÕŸɛ äζöζŸè ζȽ äζöζŸè ÕǢǟşÀǟ ɄÊÕşøǼǢȚǟ :**Composition** ƷǢÕÀǪöǟ

.ƘǫǗ ÕǢǟşÀǟ ɄÊÕşøǼȽ –2

:**Chemical name** ɄǝǟȽǢÒöǟ ǀèɍǟ

Cellulose 2-hydroxypropyl ether; CAS Reg. No. 9004-64-2

.ǦȞǝǟÀöǟ ȻƷʒ ÜÀÀÔɳ ȐǢǟǗ şǗ ȐǢǟǗ ȧζȞÊɳ :**Description** ȤÕζöǟ

ȯζÓǢŸȡş R ȯζǫǟǰǢƫǟş TS (ȯ/ȟ750~) ȯζǫǟǰÀǪǟş R ÿǿζζşøζŸÒöǟş άøǟǤöǟ ǒǟƫǟ Ž ǟǟşǽ :**Solubility** ǦǢǫǟǟşǾöǟ

.øǟΣǟ ǒǟƫǟ Ž ǟǟşǽ ɍ ǟǢŸȽʒ ÜǦǢǫǟşǟȡ ÕǢǒǟȚ ǟǢÛȞɳ R ƙŸǢǟşƎöǟ

.ĘǿȞɳ ÕɳǟƷ ÜǦȤşÂŸöǟ ǼÀÂÀ ÕɳǟƷ ÜƷǢǤȞȽ ÕɳǟƷ Ü ǐ ǟǟęǗ Ǜǟǟø ÜǀŸζ ÕŸȣɳ ÕɳǟƷ :**Category** ǦÀÀöǟ

.ǟǼǢȤ ǦÕŸȣɳ ǦÀşǟǵ Ž äζöζŸè ÕǢǟşÀǟ ɄÊÕşøǼǢȚǟ ȘǟǵƸƶ :**Storage** ȸÀÂÁǪöǟ

.ǕǪȤşÂö äζöζŸè ÕǢǟşÀǟ ɄÊÕşøǼǢȚǟ ǦÀşǟǵ ʔŸʒ ȸǢǤǩ ɉǗ Ƹƶ :**Labelling** ǀǢèζǪöǟ

.ȤǢÀȤǪöǟ ǼȞǟ ƷùÀǪÊɳ äζöζŸè ÕǢǟşÀǟ ɄÊÕşøǼǢȚǟ :**Additional information** ǦǢζǟȓǗ ǧǟɳζŸȞɳ

REQUIREMENTS المتطلبات

Identity testes اختبارات الهوية

ɄǝǟǟǪ ȸɳ Ƃǟȴǟöǟƫǟȸɳ Õɳ 50 ƂǗ ȤǟÕǟ äζöζŸè ÕǢǟşÀǟ ɄÊÕşøǼǢȚǟ ȸɳ ȟ 1 ȢǟȒǟ ÛÕÀǞȞǪöǟ ȯŸǹ :A ǟşØÀ ʔøǪǥ ǒÀʒş ÛǢÊÀǫ ƷÀØƫǟǟ Õɳ 100 ƂǗ ȤǟƩ ÛάǟƎǟö ǒÀǪÀ Û°ÿ 90 ǦȤǿǟöǟ ƂǗ ȸǺÊƫǟ R ɉζǟÀÒöǟ ǼǢÊÕǗ Ü("pH Value ǒǟȽǟǤöǟ ǦȽǢę"ş B øǟǤǪȡɍǟ ÕȤɉ ȯζŸǂǟ ɄęǟǟȘǟʒ) Ʉǝǟǟÿǟþ Ž Õɳ 10 ȸǺÊÀ ÕÀÀǞȞǪöǟ ʒɳş .ǟŸɳǟõ ǟǢζǟö ȯζŸǂǟ şǼ8À ǼÀƎǪöǟǟş Ûflocculent ǦζǼÀǪɳ ǦǟèƅşǗ ɄȽǢȡ ȯζŸȚ ǟɳǗ °ÿ 40 ȧζζ ÕÒÎÀ.

.ĘǢęǿ ǀŸζ ÕÒÎǪÀ ÜÀǺǤǪǟ ǒÀǪÀş ǦǢȤǟȤǟ ǦȞǢÀǒ ʔŸʒ ǟǟǫǗ øζǒǾƫǟ ȯζŸǂǟ ȸɳ Õɳ 1 ʒȒζÀ :B

ÕÀøζǟŸÊöǟ ȐƥȸɳÕɳ 15 Ž ȟ 0.2 ƙǺÊǩ ɉşά ǟǟøÀ :C ÕÀÀǞȞǪöǟ ʒɳ ȯζŸǂǟ ƷÔÀ .TS (ȯ/ȟ1125~) ÕÀøζǟŸÊöǟ ȐƥȸɳÕɳ 15

øǟǤǪȡǟ ǟζǤǫǗ Ž ǟŸɳǟõ ǯǟɛ ÛǼǢŸƨǟ ǒǟɳ Ž ǼÀƎǪöǟ ʒɳ .ǼǢŸƨǟ ǒǟɳ Õɳ 250 ƂǗ ȤǟƩş ÛǼǢŸƨǟ ǒǟɳ ȸɳ Õɳ 100 ȸȽȒ ÿǟþ Ž ȸǺÊÀ .ǥǟÛę ǟǫǗ ǥǟÛę ȢǟȒǩ ÛTS (ȯ/ȟ1760~) ÕÀøζǟŸÊöǟ Ȑþ ȸɳ Õɳ 8 ʒɳ ǟȒǂǟ ȯζŸǂǟ ȸɳ Õɳ 1 ɄǫŸǫ ȸɳ Õɳ 0.6 ǦǟǟȞǟ ȢǟȒÀ ǼÀƎǪöǟ ǒǟǟǫǗ .ǼǢŸƨǟ ǒǟɳ Ž ǥǟǐǟǤɳ άǟƎÀş ǟɳǟǪ Ęǝǟęά 3 ǥǼɳ ɄǝǟɳÕ

ÛƱŸÀφÀę ɹζö ģÀ ĭÀĞņ ǰǬÀÀ Ü◦ÿ 25 ĞDZǿǼöÀ ǿäÀǬǬèŸö ǬÀǬş ÛǬǼDZ ǯÂϛ ÛTS ÿζÀåζÔöä ǨǼÀŸÊǼÀǬǼη/ȸÀǼφǿǼŁζǬõ
.ĞÕǼęå 100 ȯŸǹ ƱDzÊÀÀĞöä Б ȯǼĞǬÀ ɹ Ǭ ĞŸÀ ғ

ǿÀĞǬǹғä" ɹäζÀȝ ǨƠ ȣζòζņ ζŁ Àȶõ ǿÀĞǬǹғä ȯζŸʅ ƘȒƟǬö ȟ 1 ÿǼǺǬÊÀ :**Heavy metals** ĞŸǼÕǯöä ɹåÀĦţä
ȸņ ʔζǬǂä ȸǼǾŀ Ü(127 ĞƟÀÔöä Û1 ǼŸÕä) 3 ǒäÀDZɋä Û"Limit test for heavy metals ĞŸǼÕǯöä ɹåÀĦţä ŌDZɉ ɃǼΣä
.ȟ/ÿäÀɖşÀȮņ 20 ȸȝ ǼÀÂÀ ғ Ü(128 ĞƟÀÔöä Û1 ǼŸǑä) A ĞÕÀÀÛŸö ǼǨĞǩ ĞŸǼÕǯöä ɹåÀĦţä

.ȟ/ŋŸņ 5.0 ȸȝ ǼÀÂÀ ғ :**Sulfated ash** ǨÀŸÊţä åÀŋÀöä

.ȟ/ŋŸņ 70 ȸņ ÀǯõǬ ǼÕÀöä ɹζȮÀ ғ Ü◦ÿ 105 ĞDZǿǼöÀ ĞǬǼÀǫ ĞŸǬõ Б ƵÀƶ :**Loss on drying** ƵǼÀDZǬöÀ ǼÕÀöä

.8.5-5.0 ÛA ĞÀζTä ǿÀĞǬǹғ ÀȒǂä ȯζŸǂä ǒÀŁÀ :**pH Value** ǒÀŁÀĞöä ĞȶǼę

ØØØØØ

Hypromellosum

Hypromellose الهيبروميلّوز

.äζöζŸÊöä ƙŸǼşÀ ȯζȮŸɖ ƘǬ ζŁ äζǼŋşƎǼTä :**Composition** ǢǼõÀǬöä

:**Chemical name** ƱəÀǼȶǼȮöä ɭèғä

Cellulose 2-hydroxypropyl methyl ether; CAS Reg. No. 9004-65-3

.äζöζŸè ŌǼǯǼņ ŌǼşÀ ƱÊõşǿǼTä :**Other name** ÀǹǓ ɭèä

.ǼĞÀÀÕǩ ĞƟəäÀöä ƇǼȝ ş ĞƟəäÀöä ƇǼȝ ÜƱϛÀõ ȐǼǼ ş ȐǼǼ ƱÀǼö ş ƱøĞǼĞǵ ȧζƟÊņ :**Description** Ƶòζöä

ȯζφÀǯÀɋä Ž āäşǽ ғ ǼŸȶȝ ÜǼDZÂö ǼφäşÀɖ ǼғζŸʅ ŸȮÎņ åǿÀĞöä ǒÀţä Ž āşǾÀ :**Solubility** ĞǼφÀşØöä
.R ɹÀǯǼņşǿζŸõ ƱəÀÀǬş R ȯζφÀǯǼţä ȸņ ǰÀÂņ Ž āäşǽ ÜR ÿǿζζşǿζŸȮöäş R ƘǬɉäş TS (ȯ/ȟ 750~)

.ĞDZşÂŸöä ǼÀÂÀ ŌņÀȝ Ü ȋ äÀęǓ ÙäǻǿǾ ÜĘǯǼņ ŌņÀȝ :**Category** ĞÀÀöä

.ǼǼDZ ĞÕŸȣņ ĞÀşÀǵ Ž äζǼņşƎǼTä ȘÀǵ Ǣƶ :**Storage** ȸÀÂǺǬöä

.ǾǬDZşÂö äζǼŋşƎǼTä ĞÀşÀǵ ɁŸȝ ȸǼĞǩ ɹǓ Ǣƶ :**Labelling** ɭǼèζǬöä

REQUIREMENTS ƘĞǼǭƱǩǳ!ƒ

Identity testes اختبارات الهوية

[illegible] 100 [illegible] 1 [illegible] :A
[illegible] 10 [illegible] swirl [illegible]
1) [illegible] ("pH Value [illegible] B [illegible]
[illegible] VS (ò/òʐɳ 1) [illegible] VS (ò/òʐɳ

[illegible] 1 [illegible] :B
[illegible] 100 [illegible] 1 [illegible] :C
[illegible] 20 °[illegible]
[illegible]

[illegible] 1.0 [illegible] :**Heavy metals** [illegible]
[illegible] 1 [illegible] (127 [illegible] 1 [illegible]) 3 [illegible] "Limit test for heavy metals [illegible]
A [illegible] TS (ò/ȟ200) [illegible]
ȟ/[illegible] 10 [illegible] (128 [illegible] 1 [illegible])

ȟ/[illegible] 15 [illegible] :**Sulfated ash** [illegible]

ȟ/[illegible] 50 [illegible] °105 [illegible] :**Loss on drying** [illegible]

8.0-5.0 [illegible] :**pH Value** [illegible]

ØØØØØ

Kaolinum

Kaolin الكاولين

[illegible] :**Composition** [illegible]

:**Chemical name** [illegible]

Kaolin; CAS Reg. No. 1332-58-7.

bolus alba [illegible] :**Other name** [illegible]

[illegible] unctuous [illegible] :**Description** [illegible]
[illegible]

[illegible] :**Solubility** [illegible]
[illegible]

Category:

Storage:

Labelling:

Additional information:

REQUIREMENTS

Identity testes اختبارات الهوية

A: 0.5 ... 1 ... 5 ... 5 ... 0.5 ... 10 ... 5 ... (B ...) ... R ...

B: ... 1 ... A ... (~420 ...) TS ...

Acid-soluble substances: ... 5 ... 7.5 ... (~70 ...) TS 27.5 ... 5 ... 50 ... 10 ... ("Heavy metals ...) ... 1.5 ... (~100 ...) TS ... (10 ...) 10 ...

Heavy metals: ... 5 ... 5 ... 10 ... (~420 ...) TS 25 ... R ... (~300 ...) TS ... 1 ... 40 ... "Limit test for heavy metals" A ... 1 ... 128 ... 50 ...

Iron: ... 2 ... 10 ... 0.5 ... R ...

Loss on ignition ... 550 ... 600 ...

.ȟ/ƞŸƞ 150 ȸƞ Ȁǯȭǚ

ȷʐǟȀȮǟǟ ǼǼÊȭǚ ȺǝǺǺǭ ȸƞ ƁȦƪǟ ȯȦƫǟ ȸƞ Ōƞ 20 ȣȦȒǺ ȟ 1 Ɓǚ :**Acidity or alkalinity** ǦǺʐŸȱǟǟş Ǧȑʐȴ Σǟ ȯʐŸǂǟ ʔȱǦǺ ÜTS ȯʐǒǺǯǺɋǟ/ƙȦȱǺǯʐ ȯʐǼǺǟǟ ȸƞ Ōƞ 0.1 ȣȦȒǺ Ǧǵȷȉǟ ȸƞ Ōƞ 10 Ɓǚ .Ǵȉ ȀǺş Ûƙǫȱǟǫ ǥǼƞ ǯȀǺ ÛR ȷʐǒ ʔŸȝ ȯʐÔǂŸǒ Ōƞ 0.25 ȸƞ Ȁǯȭǚ ǼŸÛǬǺ ɍ ÜVS (ȯ/ȯʐƞ 0.01) ȳʐǺǻʐÔǟ ǼǼÊȭşǿǼȫ ȀǺȦȞǺ .ȷʐŸǟǟ ǄǼȝ .ȺŸǺɸȀę

.ǰǺÂţǟ ǡȦÊǺǺ ɍ ÜȱȦƞ Ōƞ 2 ȝƞ ȟ 2 ȀǺȦȞǺ :**Swelling power** ȳǿʐǬǟǟ ǥǿǼę

Ōƞ 10 ȣȦȒǺ ÛŌƞ 25 ǦȞè ǦǼǲȦǲǟ ǥǻǟǼè ɃǼ ǡʐǦǒǚ Ɓǚ ȟ 1 ŌȱǺǺ :**Adsorption capacity** ȁǟÂǫƞɍǟ ǦȞè ŌȦǯǺ .ƙǫȱǟǫ ǥǼƞ ǥʐȱǟ ǯȀǺş ÛȱȦţǟ ȸƞ Ōƞ 100 Ž R ȳʐǼǺǼǒʐǼǫ ŌǼǯǼţǟ ǼǺǿʐŸȭ ȸƞ ȟ 0.37 ʔŸȝ Ƀʐǫʒ ȯʐŸȚ ȸƞ 3.0 ʔŸȝ Ƀʐǫʒ ȯʐŸȚ ȷʐǒ ȸƞ ǦƞȦǫę Ȁǯȭǚ ǰǺǺȱǟ ȷʐŸǟǟ ȷʐȮǺ ɍ ÜȱȦţǺǟ Ōƞ 100 Ɓǚ ŽȦÛǟǟ ŌȺȦÊǟǟ ȸƞ Ōƞ 1 ȤȦƩş .ȱȦƞ Ōƞ 100 Ž R ȳʐǼǺǼǒʐǼǫ ŌǼǯǼţǟ ǼǺǿʐŸȭ ȸƞ ƞŸƞ

Additional information for Kaolin intended for internal use

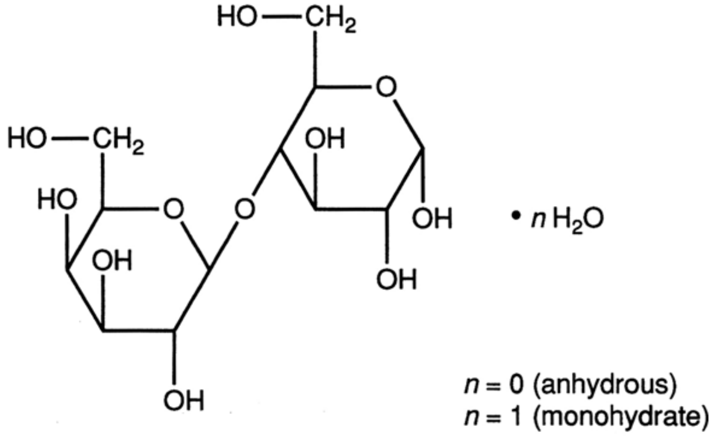
Acid- ȐȴΣǟ Ž ǦǟǟşǾǟǟ ǻǟʐţǟ" ȷǟʐǺȝ ǨƠ ȀȒǂǟ ȯʐŸǂǟ ȸƞ Ōƞ 10 Ɓǚ :**Heavy metals** ǦŸǼȱǯǟǟ ȷǻȦȞţǟ TS (ȯ/ȟ420~) ȱǺǿʐŸȭşǿǼǼǟ Ȑƅ ȸƞ Ōƞ 20ş ȱȦţǟ ȸƞ Ōƞ 10 ȣȦȒǺ Û"soluble substances Ž ȣȦǺƨǟ ʔǿǫǵ ǦǼȺȦţǟ ǦȱǦÛǟǟ ȀǺǦş ÛȯȦÔȦǒŸǒ ȭȀǬǺ Ûƙǫȱǟǫ ǥǼƞ ǯȀǺ .R ȷʐǫǼȭ ŌǼǩʐǟşÂǺǚ ŌǼǯǼƞ ȸƞ Ōƞ 25ş ȸƞ ʡʐǫǂǟ ƙȞǺ .ȱȦţǺǟ Ōƞ 40 Ɓǚ ȤȦƩş TS (ȯ/ȟ 300~) ŌǼǫǼèȷǟ Ȑƅ ȸƞ Ōƞ 1 Ž ǦȱȦȴǯǟǟ ǡǟǿǩ .ȺȦƞ ȳȦƅ Û"Limit test for heavy metals ǦŸǼȱǯǟǟ ȷǻȦȞţǟ ŌǲȷɃǼΣǟ ǿȦǦǫȵɍǟ" ȷǟʐǺȝ ǨƠ ȣʐȍʐƞ ʐȽ ȦȴȭǦŸǼȱǯǟǟ ȷǻȦȞţǟ .ȟ/ȳǟȀɖşȀȮƞ 25 ȸȝ ǼǺÂǺ ɍ Ü(128 ǦǂȦÔǟǟ Û1 ǼŸȮǟ) A ǦȱǺȀÛǟǟ

Lactosum

Lactose اللاكتوز

Lactose, anhydrous اللاكتوز اللامائي

Lactose monohydrate اللاكتوز وحيد الهيدرات



$C_{12}H_{22}O_{11}$ (anhydrous)
$C_{12}H_{22}O_{11},H_2O$ (monohydrate)

[illegible] **Relative molecular mass**: 342.3 ([illegible]) [illegible] 360.3 ([illegible]).

[illegible] **Chemical name**:

Lactose; 4-*O*-ß-D-galactopyranosyl-D-glucose; CAS Reg. No. 63-42-3.

Lactose monohydrate; 4-*O*-ß-D-galactopyranosyl-D-glucose monohydrate; CAS Reg. No. 64044-51-5.

[illegible] **Description**: [illegible].

[illegible] **Solubility**: [illegible] (~750 [illegible]) [illegible]

[illegible] **Category**: [illegible].

[illegible] **Storage**: [illegible].

[illegible] **Labelling**: [illegible].

[illegible] **Additional information**: [illegible].

REQUIREMENTS [illegible]

Identity testes اختبارات الهوية

(potassio-cupric tartrate) ÕΛƎõ – ɀŀèǺkɀĜöä ğäÀùÀù ȸŋ Ōŋ 3 8ÀȒΛ ÛöÀʈä ȸŋ Ōŋ 10 Ž ȟ 0.1 āäØΛ :A
.öäÀþ ĜæÀèƄ ŌȮȊǪk ÜȸÁÊΛʂ ÛTS

ɄəÀŋ ÿÀþ Ž ȸÁÊΛʂ ÛTS (ȯ/ȟ260~) ÀǢɀŋɉä ȸŋ Ōŋ 5 8ÀȒΛ ÛöÀʈä ȸŋ Ōŋ 5 Ž ȟ 0.25 āäØΛ :B
.ÀþÜ ɉɀö ÆÊǪȮΛ ÜȨəÀȩå 10 ğÆŋ °ÿ80 ĜDZøÆöÀæ

ʔøǪǵ ȸÁÊΛʂ ÛTS (ȯ/ȟ20) ƙŋŸǮʈä ÆΛøɀŸõʂøÆǮŁ ȸŋ Ōŋ 0.2 8ÀȒΛ ÛöÀŋ Ōŋ 5 Ž ŋŸŋ 20 āäØΛ :C
Бʂɉä ÀΛòɉä ɉɀŸöä ÆŸÕΛΛ ÜTS (ȯ/ȟ200~) ÿɀΛåɀÔöä ÆǮÊõʂøÆǮŁ ȸŋ Ōŋ 0.2 8ÀȒΛ .ĜǢɸÀǭ 30 ğÆŋ ɉÀǮŸ8öä
.ÀþÜ БÜ ȯɀŸɄɫŸö

ĜDZøÆöÀæ ƙÁÊǪöä Ʒŋ ŏÀʈä ȸŋ Ōŋ 80 Ž ȟ 10 āäØΛ :**Specific optical rotation** ɄƷɀÀöä ɃÀÔĜöä ÀΛʂÆǪöä
âÀÕΛ .öÀʈÀæ Ōŋ 100 БÜ ȤÀƩ ĜÕǮȩå 30 ÆǶæ .TS (ȯ/ȟ100~) ÀǢɀŋɉä ȸŋ Ōŋ 0.2 8ÀȒΛʂ åƎǮö ōÀǪΛ .°ÿ 50
. $[\alpha]_{D}^{20} = +54.4 \text{ to } +55.9°$ ÜĞǮəÀŋŸöä ğåÀʈä БÜ ʈɀDZÀöÀæ ÆÊƷʂ °ÿ 20 ĜDZøÆöÀæ ÀΛʂÆǪöä

Ȑþ ȸŋ Ōŋ 1 8ÀȒΛ ÛøÀǤǪǹɍä ȯɀŸƮ ƘȒɄǪö ȟ 1.0 ÿÆÁǪÊΛ :**Heavy metals** ĜŸǮÕǰöä ɉåÀǶʈä
Limit ĜŸǮÕǰöä ɉåÀǶʈä ŌDZɉ ɃÆΣä øÀǤǪǹɍä" ɉäɀΛƷ ǨƠ 8ɀòɀŋ ɀŁ Àɫõ ƷæÀǪΛʂ VS (ȯ/ȯɀŋ 0.1) ÕΛøɀŸõʂøÆǮTä
ÆŸŎä) A ĜÕΛÀÛŸö ǺǶĜk ĜŸǮÕǰöä ɉåÀǶʈä ȸŋ ʔɀǪǂä ƙǶΛ Ü(127 ĜɄÀÔöä Û1 ÆŸŎä) Û1 ŏäÀDZɋä "test for heavy metals
.ȟ/ÿäÀȡʂÀȮŋ 5 ȸƷ ÆΛÂΛ ɍ Ü(128 ĜɄÀÔöä Û1

ÜVS (ȯ/ȯɀŋ 0.05) åɀǮöä ȸŋ ğÆǵäʂ ğÀÛȩ 8ÀȒΛʂ ÛåƎΛ .ʔŸ8ʈä ŏÀʈä ȸŋ Ōŋ 10 Ž ȟ 1.5 āäØΛ :**Starch** ÀȊÀöä
.ȧøäÜ ɉɀö øɀÛǪΛ ɍ

ĆÆƷ ɄŸ8ʈä ŏÀʈä ȸŋ Ōŋ 10 Ž ȟ 3 ȯɀŸƮ ɉɀȮΛ :**Clarity and colour of solution** ȯɀŸǂä ɉɀöʂ ŏÀÀÔöä
.ĜɄəäÀöä ĆÆƷʂ ÛǻɀÀò ÛǻĜΛÀŎk ɉɀŸöä ĆÆƷ ʂÜ ɉɀŸöä

40 БÜ ȴƷÀΛöä ȧɀɄÊʈä äɀǪõŸöä ȸŋ ȟ 10 8ÀȒΛ :**Ethanol-soluble substances** ȯɀɸÀǰΛɋä Ž ĜæäʂØöä åäɀʈä
ȤÀΘ Û8ÀΛƨä ʔøǪǵ ĜǵÀΐÀöä ȸŋ Ōŋ 10 ÀǺĜΛ ÛǴǻΛÀΛ .ȨəÀȩå 10 ğÆŋ ǥÀΛʂ TS (ȯ/ȟ750~) ȯɀɸÀǰΛɋä ȸŋ Ōŋ
.ŋŸŋ 20 ȸƷ ÆΛÂk ɍ ÜɉàɀǩʂÛȨəÀȩå 10 ğÆŋ °ÿ 100 ĜDZøÆæ ĜöÀɫǰöä

.ȟ/ŋŸŋ 1.0 ȸƷ ÆΛÂΛ ɍ :**Sulfated ash** ǨÀŸÊʈä åÀŋÀöä

Determination of water by ÀȊǮɀ ȯøÀõ ĜÕΛÀÛæ ŏÀʈä ƙǮǶk" ɉäɀΛƷ ǨƠ 8ɀòɀŋ ɀŁ Àɫõ ƙǶΛ :**Water** ŏÀʈä
:ÀŋÜ ÿäÆÁǪèÀæ Û(145 ĜɄÀÔöä Û1 ÆŸŎä) A ĜÕΛÀÛöä Û"the Karl Fischer mothod
ʂÜ Üȟ/ŋŸŋ 10 ȸƷ ŏÀʈä ʔɀǪƮ ÆΛÂΛ ɍ ÜɄəÀŋŸöä äɀǪõŸöä ȸŋ ȟ 2 -
.ȟ/ŋŸŋ 55 ȸƷ ÆΛÂΛ ɍʂ ȟ/ŋŸŋ 45 ȸƷ ŏÀʈä ʔɀǪƮ ȰÕΛ ɍ ÜğäøÆǮTä ÆǮǵʂ äɀǪõŸöä ȸŋ ȟ0.5 -

ÛR ȷζǣÀȮöä ÆĿÊõǗ ɄəÀÅǬ ȸɳ ƃÅǕä ŏÀţä ȸɳ Ōɳ 25 Ʒɳ ȟ 6 ʔǛ8Ʌ :**Acidity or alkalinity** ǴɅζǛŌöäʂ Ǵȑζȶ∑ä ƃÅǕä ӯζɅáζÔöä ÆĿÊõʂøÆĿõ ÀɅÅĦɅ .ȷζǛöä ĈÆʒ ȯζǛǂä ʔŌǴɅ ÜTS ȯζφÅǯɅqä/ƙÅöÅǯζ ȯζÆÅöä ȸɳ Ōɳ 0.3 ȣÅȒɅʂ ÛáƎɅ ƃÅǕä ӯζɅÂøɅ8ţä ğäøÅÆǬè ȯʂǂä ӯÅŌţä Ž ӯζɅÂøɅ8ţä ğäøÅÆǬè ȸɳ

.(ɄǛÀφÀȩ) ÀĦÎȶǛö ʔÛèζöä ǴÛŌÀöä ʔǛʒ ȯζÔĦǛö Ōɳ 0.4 ȸɳ Àǯõǚ ÆǛÛǬɅ ɼ ÜVS (ȯ/ȯζɳ 0.1) ğÀφζǣÀȮöä ȸɳ

øøøøø

Magnesii stearas

Magnesium stearate ستيارات المغنـزيوم

$$(H_3C - [CH_2]_{16} - CO_2)_2Mg$$

$C_{36}H_{70}MgO_4$

$(C_{17}H_{35}CO_2)_2Mg$ ӯζɅÂøɅ8ţä ğäøÅÆǬè ȯʂǂä ӯÅŌţä Ž ӯζɅÂøɅ8ţä ğäøÅÆǬè ɃζǬƠ :**Composition** ÆĿõÀǬöä .$(C_{17}H_{33}CO_2)_2Mg$ ӯζɅÂøɅ8ţä ğÅÅÆöʂǗʂ $(C_{15}H_{31}CO_2)_2Mg$ ӯζɅÂøɅ8ţä ğÅǬĿţÅǣ ȸɳ ǴɅɅÅǴǬɳ ÆÊφ Ʒɳ

:**Chemical name** ɄəÅĿȶĿȮöä ɭèɼä

Magnesium stearate; magnesium octadecanoate; CAS Reg. No 557-04-0.

ǴöζŤÊǣ ĘÔǬǛɅʂ unctuous ɄøɅȽá ÜǴȒÀÅɅɳ ǴĿǛǬõ ǴζÅǯõ ʂǣ ȐĿǣǗ ÅÆDZ ɭʒÅφ ȧζĦÊɳ :**Description** Ƶòζöä .ŌɅøÅÆǬÊöä Ȑȶ∑ ǴÅĿÀǹ ǴĦəäø ȼö ÜÆǛƨÅǣ

Ž ȷÅǣʂØöä ǴĿĦȉ ÜR ƘǬǂʂ ÛTS (ȯ/ȟ750~) ȯζφÅǯɅqäʂ ŏÅţä Ž ãäʂǣ ɼ ÅĿǛȶʒ :**Solubility** ǴĿφÅǣʂØöä .TS øÅ∑ä (ȯ/ȟ750~) ȯζφÅǯɅqä

.ȧÅÔǬöä áÅȒɳ Üğɼ ζÊǴõʂ îäÀȩǗ ĘöÂɳ :**Category** ǴÅÀöä

.ÅÆDZ ǴŌǛ8ɳ ǴɅʂÅǵ Ž ӯζɅÂøɅ8ţä ğäøÅÆǬè ȘÅǵ Æʑ :**Storage** ȸɅÂÅǬöä

REQUIREMENTS ƘǴɦǙƠƘdž!ƒ

ţζDZÀöÅǣ ǴǣζÊŢ ÛMg ӯζɅÂøɅ8ţä ȸɳ %5.8 ȕζÅȮɅ Åȶʒ ÆɅÂɅ ɼʂ %3.8 ȸʒ ŌŌɅ ɼÅɳ ӯζɅÂøɅ8ţä ğäøÅÆǬè ɃζǬƠ .ǴÅÀŎä ǥáÅţä ƃǗ

Identity testes اختبارات الهوية

ȸɎÅÊɅ .ŏÅţä ȸɳ Ōɳ 20ʂ TS (ȯ/ȟ130~) ŌɅÀǬÅöä Ȑþ ȸɳ Ōɳ 20ʂ ƘǬǂä ȸɳ Ōɳ 50 ȣÅȒɅ ȟ 5 ƃǗ :A Ʒɳ ƘǬǂä ǴŌǴù ɱÀǨ ÛŌəÅÊöä ǴŌǴù ŎÔÀǨ .áƎĿö õÀǬɅʂ ÜȲɳÅõ ȷÅǣʂØöä ʔøǬǵ ɄʒζDZÀöä ȷÅɅÀƨÅǣ ŌȶǨɅ ƵǯÔɳ ƘƠ

[illegible] 50 [illegible] 15 [illegible] 4 [illegible] ("Chlorides [illegible]) [illegible] 53 [illegible] 105 [illegible] ("Acid value of fatty acids

[illegible] TS (100~) [illegible] 1 [illegible] 1 [illegible] 1 [illegible] TS (100) [illegible] 1 [illegible] TS (40) [illegible]

[illegible] 1.0 [illegible] **Heavy metals** [illegible] (127 [illegible] 1 [illegible]) 4 [illegible] "Limit test for heavy metals [illegible] (128 [illegible] 1 [illegible]) A [illegible] 20 [illegible]

[illegible] A [illegible] 2 [illegible] **Chlorides** [illegible] (124 [illegible] 1 [illegible]) "Limit test for chloridate [illegible] 0.25 [illegible]

[illegible] 60 [illegible] 105 [illegible] **Loss on dring** [illegible]

R [illegible] 20 [illegible] 1 [illegible] **Acidity and alkalinity** [illegible] 10 [illegible] 0.1) [illegible] VS (0.1) [illegible] TS [illegible] 0.05 [illegible] VS [illegible]

[illegible] 0.2 [illegible] (150 [illegible] 1 [illegible]) **Acid value of fatty acids** [illegible] 210-195 [illegible] 25 [illegible] A [illegible]

[illegible] 0.5 [illegible] **Assay** [illegible] TS (70~) [illegible] 10 [illegible] TS (80~) [illegible] 25 [illegible] 10 [illegible] TS 10.0 [illegible] 10 [illegible] 1 [illegible] (138 [illegible] 1 [illegible]) [illegible] "Complexometric titration [illegible] VS (0.05) [illegible] 1.215 [illegible] Mg [illegible]

Methylcellulosum

Methylcellulose الميثيل سلولوز

[illegible] **:Composition** [illegible].

:Chemical name [illegible]

Cellulose methyl ether; CAS Reg. No. 9004-67-5

[illegible] **:Description** [illegible].

[illegible] **:Solubility** [illegible] R [illegible] TS (~750) [illegible] R [illegible] TS (~750) [illegible] R.

[illegible] **:Category** [illegible].

[illegible] **:Storage** [illegible].

[illegible] **:Labelling** [illegible].

[illegible] **:Additional information** [illegible].

REQUIREMENTS [illegible]

[illegible] %26.0 [illegible] %32.0 [illegible] (-OCH_3).

Identity tests اختبارات الهوية

A: [illegible] 1 [illegible] 50 [illegible] R [illegible] 90° [illegible] 100 [illegible] 10 [illegible] 50° [illegible] (B [illegible] flocculent [illegible].

B: [illegible] 1 [illegible].

C: [illegible] 0.2 [illegible] 15 [illegible] TS (~1125) [illegible] 100 [illegible] 250 [illegible] 1

ÿÀþ Ž ȸÁÊ⁄ .ǥÀÛę ÀǭÛ ǥÀÛę ȣÀȒ⁄ ÛTS (ȯ/ȟ1760~) ÕǴÀÊöä Ȑþ ȸȠ ÕȠ 8 ȝȠ ÀȒǂä ȯƺǂä ȸȠ ÕȠ ɄǭŸǭ ȸȠ ÕȠ 0.6 øØģş ǴÀÀȞ ȣÀȒ⁄ ÆȜǭöä ȯŸǹ .ÆŸƨä öÀȠ Ž ǥÀȉÀǤȠ ǻȜş ȠÀǭ Ęȷçǻ 3 ǥÆȠ Ʉȷ
ɍ ǥÀȉÀǤȠ ɄŸÀǵÀę ɉƺö ǰǬÀ Ûÿ 25 ǴǅøÆöÀ øäÕǭèŸö ȭÀǬ .ÆǅǅȜ ǯÂƺş TS ÿƺǻÔöä ǨÀÊǭȠ/ȸÆøÆȽƺȭ
.ǴÕęǻ 100 ȯŸǹ ɄǅÊÀ ɉƺö ƂÛ ȯÆǤ

øÀǤǹɍä" ɉƺȜ ǨƠ ȣƺòƺȠ ƺȽ Àȶȭ øÀǤǹɍä ȯƺȚ ƘȒɄǭö ȟ 1.0 ÿÆÁǭÊ⁄ :**Heavy metals** ǴŸÕǯöä ɉǻȞţä
ǴŸÕǯöä ɉǻȞţä ȸȠ ȝƺǭǂä ƙȞ Ü(127 ǴɄÀÔöä Û1 ÆŸÕä) "Limit test for heavy metals ǴŸÕǯöä ɉǻȞţä ÕǅɈ ɃÆΣä
.ȟ/ÿäÀȡşÀȮȠ 20 ȸȝ ÆÂ⁄ ɍ Ü(128 ǴɄÀÔöä Û1 ÆŸÕä) A ǴÕÀÛŸö ȞȞǨ

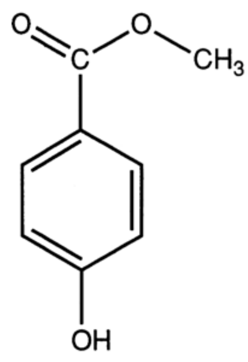
.ȟ/ȠŸȠ 10 ȸȝ ÆÂ⁄ ɍ : **Sulfated ash** ǨÀŸÊţä ǻȠÀöä

.ȟ/ȠŸȠ 100 ȸȠ ÀǯȭÛ ÆÕÀöä ɉƺȮ⁄ ɍ Ü°ÿ 105 ǴǅøÆöÀ ǴǬÀǭ ǴŸǭȭ ƂÛ ȤÀƶ :**Loss on dring** ȤÀǅǭöÀ ÆÕÀöä

"Determination of Methoxyl ÕÊȭƺǯţä ƙȞǨ" ɉƺȜ ǨƠ ȣƺòƺȠ ƺȽ Àȶȭ ǴÊÀÕţä ȝÀθ :**Assay** ǴÊÀÕţä
.ǴÜƺǤȒȠ ǴȿàƺȠş ȞÕÀè ǴÀÀf Ûȟ 0.05 ǴäÀę ÿÆÁǭèÀ (145 ǴɄÀÔöä Û1 ÆŸÕä)
.(-OCH_3) ȸȠ ȠŸȠ 0.5172 ǜƺÀÔ⁄ VS (ȯ/ȯƺȠ 0.1) ÿƺǻÔöä ǧÀŸèƺǭ ȸȠ ÕȠ 1 Õȭ

Methylis hydroxybenzoas

Methyl hydroxybenzoate ǜǨǅǅ ǁǸȒø ǏƨǸþǭǰ



$C_8H_8O_3$

.152.2 :**Relative molecular mass** ǴǤÊÀöä ǴÀÂƨä ǴŸǭȮöä

:**Chemical name** ɄȷȽȮöä ȴèɍä

Methyl *p*-hydroxybenzoate; methyl 4-hydroxybenzoate; CAS Reg. No. 99-76-3.

.ƙǟǻøǺǽ ŎǕǯǕŋ :**other name** Àńɇǟ ǈȅɍǟ

.ǞǠǺÀŎǩ ǦĦǝǟÀǝǟ ƇǼʒ şǙ ǦĦǝǟÀǝǟ ƇǼʒ ÜȐǕǟǙ ɃøɀŸǟ ȧɀĦÊŋ şǙ ɉɀŸǝǟ Ǧɀǟʒ ğǟøɀŸǟ :**Description** Ȥòɀǝǟ

(ȯ/ȟ 750~) ȯɀǹǺǯǺqǟ Ž ɉǺǟşǾǝǟ Àǵ ÜɁŸ8ţǟ ǒǺţǟ Ž ǡǟşǟ ÜǒǺţǟ Ž ǞǼǕǅ ɉǺǟşǾǝǟ ǴǕĦì :**Solubility** ǦǕǹǺǟşǾǝǟ

.R ƘǬɉǟş TS

.ɄøǟşÀǑŋ ǻǺȒŋ Şɀǻǵ :**Category** ǦǺǺǝǟ

.ǞǼǕǅ ǦǑŸ8ŋ ǦǺşǺǵ Ž ŎǕǯǕţǟ ğǟşÂøǺǟ ɄÊõşǿǼǕȽ Şǻǵ Ǽƶ :**Storage** ȸǺÂǺǬǝǟ

ǦǕȞǕǦÛǝǟ ǦǝǺΣǟ Ž ŎǕǯǕţǟ ğǟşÂøǺǟ ɄÊõşǿǼǕȽ ȳǼǺǬÊǺ :**Additional information** ǦǕɀǺȑǙ ğǺŋɀŸǨŋ

.ɁÀńɉǟ ğǟşÂøǺǟ ɄÊõşǿǼǕȾǟ ʒŋ ǦõøǺȊţǺǟ

REQUIREMENTS ƘǦǝǕƱƙǳ!ƒ

ǦǟɀÊȚ Û$C_8H_8O_3$ ȸŋ %101.0 ȸʒ ǼǺǺǺ ɍş %99.0 ȸʒ ŎǑǺ ɍǺŋ ɁŸʒ ŎǕǯǕţǟ ğǟşÂøǺǟ ɄÊõşǿǼǕȽ ɃɀǬƷ

.ǦǺǺŎǝǟ ǥǻǺţǟ ƃǙ ţɀǅÀǝǺǟ

Identity tests ǶǐǏǋǊǈ ǉ ǫƥƑƓƏǫ

."Melting range ǿǺȚÔǹɍǟ ȯǺƒ" ɉǟɀǺʒ ǨƠ ǿɀõǾţǟ ǿǺǬñɍǟ ɄøǦŸǺ :A

.ĘǝǺęǻ 5 ǥǼŋ ɄǝǺŋ ȳǺƥ Ž ȸǻÊǺş ÛTS (ȯ/ȟ80~) ȳɀǺǻɀÔǝǟ ǼǕÊõşǿǼǕȽ ȸŋ Ōŋ 5 ȣǺȒǺ ȟ 0.5 ƃǙ :B

ǦŸǕŸę ǦǕȶǑǟ ǨǨŋǺõ ŎÊ8Ǻ ÛǴìÀŋ Ž ǦǟǺȅÀǝǟ ʒȶθ ÛTS (ȯ/ȟ190~) ȮǺøɀǺŸÊǝǟ Ȑƥ ȸŋ Ōŋ 6 ȣǺȒǺ ÛǼǺƎǬǝǟ ǼȞǟ

.°ȳ214 ǦǟǟÀę ǿǺȚÔǹɍǟ ǦǅǿǻÛR ǦǺǺŎǝǟ ǺȮǕŸǕÊǝǟ ǦŋɎȽ ȧɀɀ ȤǺǅɁş ÛǒǺţǟ ȸŋ

.°ȳ128-125 :**Melting range** ǿǺȚÔǹɍǟ ȯǺƒ

.ȟ/ŋŸŋ 1.0 : **Sulfated ash** ǨǺŸÊţǟ ǻǺŋÀǝǟ

şǙ ȯǺȮȅǺǟ ɀŸǕõ 0.6 ȸʒ ŎǑǺɍ) ȐǺǺǻŋ Ü8ȓ ǨƠ °ȳ 80 ǦǅǿǼǝǺǟ ȤǺƶ :**Loss on dring** ȤǕǺǅɁǝǺǟ ǼŎǺǝǟ

.ȟ/ŋŸŋ 5.0 ȸŋ ÀǯõǙ ǼŎǺǝǟ ɉɀȮǺ ɍ ÜƘǬʒǺȅ ǥǼŋ (ĘǦǝà ǈŋ 5

ɄǝǺǺǬ ȸŋ ƃǺǈǟ ǒǺţǟ ȸŋ Ōŋ 5 ȣǺȒǺ ÛTS (ȯ/ȟ750~) ȯɀǹǺǯǺqǟ ȸŋ Ōŋ 5 Ž ȟ 0.2 ǡǟǾǺ :**Acidity** ǦȓɀȶΣǟ

ǥÀȒń ȸŋ Ōŋ 0.1 ȳǟǼǺǬȅǺǟ ÜVS (ȯ/ȯɀŋ 0.1) ȳɀǺǻɀÔǝǟ ǼǕÊõşǿǼǕǒ ÀǺǺȞǺş .R ɉɀǟÀȮǝǟ ǼǕÊõǙ

.(ÀȒńǙ) ÀȞȊȶŸǝ ɁÛȅɀǝǟ ǦÛŎǺǝǟ ɁŸʒ ȯɀÔĦŸǝ Ōŋ 0.1 ȸŋ ÀǯõǙ ǼŸÛǬǺ ɍ ÜÀȞȊȶõ TS ȯɀǹǺǯǺqǟ/ȯşÂǺÀõɀŋşƎǝǟ

25 ȣǺȒǺ ÛǦǕǅǺǅǝà ǥǻǟǼȅ ğǟǟ ǦĦÛÊŋ ǦŸǅɀǵ Ž ÛǦǕüɀǦȒŋ ǦǹşàɀŋÛŋŸŋ 80 ǦǟǟÀę ʒȓɀǺ :**Assay** ǦÊǺǺȮţǟ

ȭÀǬǩ .ǦǑǕęǻ 30 ǥǼŋ Ʉʒɀǅǝǟ ɉǺÀƨǺǟ ŎȶȞǺ ȤǯǑŋ ǨƠ ɁŸ8ǺşÛTS (ȯ/ȟ80~) ȳɀǺǻɀÔǝǟ ǼǕÊõşǿǼǕȽ ȸŋ Ōŋ

[illegible] TS [illegible]125) [illegible] 5 [illegible] VS [illegible] 0.0333) [illegible] 25 [illegible] 420~) [illegible] 10 [illegible] R [illegible] 40 [illegible] TS [illegible]80) [illegible] 30 [illegible] 15 [illegible] TS. [illegible] TS [illegible] 2 [illegible] VS [illegible] 0.1) [illegible] VS [illegible] 0.1) [illegible] 1 [illegible] VS [illegible] 0.0333) [illegible] 0.0333) [illegible] 5.073 [illegible] $C_8H_8O_3$.

ØØØØØ

Natrii hydroxydum

Sodium hydroxide [illegible]

NaOH

[illegible] **Relative molecular mass:** 40.00

[illegible] **Chemical name:**

Sodium hydroxide; sodium hydroxide (Na(OH)); CAS Reg. No. 1310-73-2.

[illegible] **Description:** [illegible]

[illegible] **Solubility:** [illegible] TS [illegible]750~).

[illegible] **Category:** [illegible]

[illegible] **Storage:** [illegible]

[illegible] **Additional information:** [illegible]

REQUIREMENTS [illegible]

[illegible] 97.5% [illegible] NaOH [illegible] 2.5% [illegible] Na_2CO_3.

Identity tests اختبارات الهوية

A: [illegible] "General identification tests" [illegible] 123 [illegible] 20 [illegible]

B: [illegible]

Heavy metals [illegible] 1.0 [illegible] "Limit test for heavy metals" 1 [illegible] 127 [illegible] A [illegible] 128 [illegible] 10 [illegible]

Arsenic [illegible] 2.5 [illegible] 35 [illegible] "Limit test for arsenic" [illegible] 130 [illegible] 4 [illegible]

Aluminium, iron, and matter insoluble in hydrochloric acid: [illegible] 5 [illegible] 70 [illegible] TS (~70 [illegible]) [illegible] TS (~100 [illegible]) [illegible] (~50 [illegible]) [illegible] TS [illegible] 5 [illegible]

Potassium: [illegible] 0.25 [illegible] 5 [illegible] TS (~60 [illegible]) 5 [illegible] TS (~100 [illegible]) [illegible]

Chlorides: [illegible] 0.35 [illegible] 2 [illegible] TS (~130 [illegible]) 20 [illegible] "Limit test for Chlorides" [illegible] 1 [illegible] 124 [illegible] 0.7 [illegible]

Sulfates: [illegible] 0.4 [illegible] 20 [illegible] 6 [illegible] TS (~70 [illegible]) [illegible] "Limit test for Sulfates" [illegible] 1 [illegible] 125 [illegible] 1.2 [illegible]

Assay: [illegible] 2 [illegible] 80 [illegible] R. [illegible] 0.3 [illegible] TS [illegible] VS (1 [illegible]) [illegible] 0.3 [illegible] TS [illegible] VS (1 [illegible]) [illegible] 1 [illegible] VS (1 [illegible]) [illegible] 106.0 [illegible] Na_2CO_3.

ɃzŸṎä ȸŊ ŊŸŊ 40.00 ǜzÅ̇ÒΛ ƙǨÅΛÅ̈Ȟţ̈ä ţzȶƒ Ž ÿǼÅÊŊ vs (ȯ/ȯzŊ 1) ÕΛǿzŸõşǿǼŦä Ȅ þ ȸŊ ŌŊ 1 Ȫõ .NaOH øõ ǻzÊŢ ÛɄŸÒ̈ä

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Oleum arachidis

Arachis oil Ǐ øǆǫǋ ƨǁ üǋǁ lǐȒ

(Æ̈ǒ) ğÅȶǅȝ ȸŊ ȼŸȝ ŌÔɄÊΛ ɁŌÅŊ ǨäÅǫ ǨΛà zȽ ɄøǻzÊ̈ä ȯzÅ̈ä ǨΛà :**Composition** ǼŦõÅ̈ä
Arachis hypogaea L. ǿşǾ̈ä kernels

:**Chemical name** ɄəÅȶŦÒ̈ä ȴèɼä

Peanut oil; CAS Reg. No. 8002-03-7.

.Peanut oil ğzǫǼä ǨΛà :**other name** Àǹɇä ȴèɼä

.nut gàzƨä ǦɄəäǿ ȼǤȊǨ ǻǼǅ ǦÅŦÅǹ ǦɄəäǿ şǽ şǕ ǦɄəäÀ̈ä ȻǼȝ ÜÀÅÔŊ ȣȣÅò ǯÂǒ ŌəÅè :**Description** Ȥòz̈ä
ÙÀΛṎäş R Ƙǫɉäş R ÿǿzzşǿzŸÒÅ̈ä ǯşÂŊ ÜTS (ȯ/ȟ750~) ȯzǫǰΛɋǼ ǻǼǅ ǯÂţ̈ä ǴɄȉ :**Miscibility** ǴǅşÂţ̈ä
.R ȤŦÅɭä

.ǼΛǾŊ ÜɄøǫΛà ȟäzè :**Category** ǦÅÀ̈ä

ȸŊ ɁȶȜ ȷşǕ ÛǻǼǅ ǦȪŸȣŊş ǻǼǅ gǒzŸư ǦΛşǵ Ž ɄøǻzÊ̈ä ȯzÅ̈ä ǨΛà ȘÅǵ Ǽz :**Storage** ȸΛÂÅǫ̈ä
.ǻǿÅä ȷÅÒŊ Ž ȷǺȢ ȷşǕ ÛǒzȒ̈ä

.ƗȪΣä ǒÅÛȝȒǒ ǦȶəŸŊ Ƙȡ ǦzzòzţÅ̈ä gǻÅţ̈ä gǻzǅ :**Additional information** ǴŦzÅȑǕ ğÅŋzŸȞŊ

REQUIREMENTS ƘǦǜǔƘǆ!ƒ

Identity tests اختبارات الهوية

Ž ȸǺÊΛ ÛȝȖÕǫŊ zǓ ɁŸȝ ǯÀ̈ä ȯŸǹş ÛTS1 ȯzǫǰΛɋ/ÿzŦèÅǩzǤ̈ä ǼŦÊõşǿǼȽ ȸŊ ŌŊ 10 ȣÅȒΛ ŌŊ 0.5 ɃǕ
ȷäǿǼƛ ĘÔǫŸΛ ɄȶŦȡ ɄŊŸȽ ǰΛÅŊ ŌÒȊǫΛ ÜgǼgäş ǦȝÅè gǼŊ ǿäÀÕǫèŸǒ õÀǫΛ .ǦȪɼǻǾ 15 gǼŊ ȳ 80 ǦǅǿǼä ɄəÅŊ ÿÅþ
.ǟzǤǫɉä

. $n_{\mathrm{D}}^{20} = 1.468 - 1.472$:**Refractive index** ǿÅÊÒǫɼä ǼÊÅŊ

. $d_{20}^{20} = 0.912 - 0.920$:**Relative density** ǴŦǤÊÀ̈ä ǦzǰÒ̈ä

[illegible] **Acid value**: ([illegible] 1 [illegible] 150) [illegible] 0.6.

[illegible] **Saponification value**: ([illegible] 1 [illegible] 149) 185-195.

[illegible] **Iodine value**: ([illegible] 1 [illegible] 148) 83-103.

[illegible] **Unsaponifiable matter**: ([illegible] 1 [illegible] 149) [illegible] 15 [illegible].

[illegible] **Peroxide value**: ([illegible] 1 [illegible] 148) [illegible] 5.0.

ØØØØØ

Paraffinum lbum

White soft paraffin [illegible]

Paraffinum flavum

Yellow soft paraffin [illegible]

[illegible] **Composition**: [illegible] bleached [illegible].

[illegible] **Chemical name**:

White and yellow petrolatum.

[illegible] **other names**: [illegible] vaselinum album [illegible] vaselinum flavum.

[illegible] **Description**: [illegible].

[illegible] **Solubility**: [illegible] (750~) [illegible].

[illegible] **Category**: [illegible].

[illegible] **Storage**: [illegible].

[illegible] **Additional information**: [illegible] 38 [illegible] 60 °[illegible].

Identity tests اختبارات الهوية

ǻzĿöä ȸŋ Ōŋ 0.2ş ŏǺţä ȸŋ Ōŋ 2 gǺìǺǤŋ ȣǺȒǺş ǦÊǺDzǪŋ ǦŸǪō ɁŸɜ ȯzÔΣä ɁøǪǵ ȟ 2 ǺȚÔǺ :A
øzÛöä ÆÊǪÒǺ ȷǗ Æƶ ÜåƎǺş ǯǺŁ ÛƙŸəǺè ȸǺøzǜ ɁŸɜ ȸÒƨ Ǻŋ ţǺèüæ ŌÔȞǪÊǺ ÜȸǺÊǺ .VS (ȯ/ȯzŋ 0.1)
.ɄŸǺǬǺŌöä ƂǗ ǺæøǺȓ ǺǢDzÊǺǺæ ǺǬzö ÆŸÔöä ɃzŸȞöä.

ţǺţ ÆT ȘǵŸǺ ÜǢŋǺȴş ǺǺòɉä zǹǺöä ƙzøǺǤöä şǗ ȐǢæɉä zǹǺöä ƙzøǺǤöä ȸŋ ǺŋǗ gƘȣò ǦŁȶō ȸǺÊȴ :B
.ȷzæǺÒöä ȸŋ Æèäø ŌÒÎǪǺş

.ȟ/ŋŸŋ 1.0 ȸɜ ǢǺÂǺ ɍ : **Sulfated ash** ǨǺŸÊţä ǻǺŋǺöä

ɁøǪǵ ȸǺÊǺ ȭǺǺȞǪöä ɜŋş ÛȧøşǢöä ɁȖȣǺ ÛɁŸȣţä ŏǺţä ȸŋ Ōŋ 100 ȣǺȒǺ ȟ 35 ƂǗ :**Alkalinity** ǦǺzŸŌöä
Ōō ƙǪǢȶÒæ ƙzøǺǤöä ŌÊȣǺş ÛÆèǺǺŋ ȸȞò ƂǗ ǦǢəǺţä ǦŌǤÛöä ŌÔǺǨ ÛȯǺÔǺǬŸö øäzǜɉä ƀǺǪǨ .ȨəǺȩǻ 5 gǢŋ ȷǺǢŸȣöä
ȯǢǤǪǺ ɍ ÜɁŸȣǺş TS ȯzǬǺǯǺɋä/ƙǺöǺǯz ȯzǺǢǺöä ȸŋ gǺÛȩ ȣǺȒǺ .ȸȞÔöä ƂǗ ƵǢȓǗ ɃØöä ɁŸȣţä ŏǺţä ȸŋ Ōŋ 50 ǺȶȚǺŋ
.("Acidity Ǧȓzȶ Σä" ŌDzɉ ŌəǺÊöä äØŁ ȘǺʒ) ɄŸǺǬǺŌöä ƂǗ ȷzŸöä

ƂǗ ȷzŸöä ȯǢǤǪǺ ɍ ÜTS ȯzǬǺǯǺɋä/ŌǢǯǢţä ǦǢöǺŌǨǺæ ȸŋ Ōŋ 0.1 ǺǺǬǗ øzōØţä ŌəǺÊöä ƂǗ ȣǺȒǺ :**Acidity** Ǧȓzȶ Σä
.ɄŸǺǬǺŌöä şǗ Ǻþɉä

ȯzǬǺǯǺɋä ȸŋ ǦǺşǺÊǪŋ ȳzDzΣ ǰǺÂǺŋ ȸŋ Ōŋ 100 ȣǺȒǺ ȟ 20 ƂǗ :**Oraganic acids** ǦǺzȒǨöä ȏzȶ Σä
ǺȞǺǺè ǺǺǺȞǺş TS ȯzǬǺǯǺɋä/ƙǺöǺǯz ȯzǺǢǺöä ȸŋ Ōŋ 1 ȣǺȒǺ .ȷǺǢŸȣöä ƂǗ ȸǺÊǺş ǺǢŸō ǯǺƨ ÛöǺţäş TS ȯǢȞǪÊţä
ȯŸǹ ȷzŸöä ȯǢǤǪǺ ÛgǻǺǵ ǦǢŸǺǬǺȩ ǦǺǺŒ ǦÛŌǬ ƂǗ VS (ȯ/ȯzŋ 0.1) ǧǺǬzæǺÒöä ȸŋ ƃǺȽä ȳzǺǻzÔöä ǢǢÊōşøǢǢŏ
0.1) ǧǺǬzæǺÒöä ȸŋ ƃǺȽä ȳzǺǻzÔöä ǢǢÊōşøǢǢŁ ȸŋ Ōŋ 0.4 ȸŋ ǺǯōǗ ÆŸÛǪǺ ɍ ÜöǺţä/ȯzǬǺǯǺɋä ǦŌǤǜ Ž ǦǤȩäǺţä
.VS (ȯ/ȯzŋ

ǢǢÊōşøǢǢŁ ȸŋ Ōŋ 50 øæ ȟ 10 ȴȒȚǺ :**Fixed oils, fats, and rosin** ȸǺàşǺöäş ȷzŁǢöäş ǦǪæǺǯöä ǧzǺÂöä
570~) ŌǺøzǺŸÊöä ȐȶШ Ȑȶʒş ǦǢəǺţä ǦŌǤÛöä ŌÔǺǨ .ǦŌǢȩǻ 30 gǢŋ °ȳ100 ǦDZøǢŌǺæ TS (ȯ/ȟ200~) ȳzǺǻzÔöä
.ǦǤŸò gǻǺŋ şǗ ǨǺà ɃǗ ɄȩǺǤöä øzÛöä ɃǢǤǺ ɍ ÜTS (ȯ/ȟ

ŌǢǯǢŋ ɄǪŸǪ –4Û2Û2 ȸŋ Ōŋ 100 Ž ŋŸŋ 50 ǡäØǺ :**Ultraviolet absorption** ǦǢDzÊǺǺǤöä ȧzz ǦȞìɉä îǺÔǪŋä
ȐǢæɉä zǹǺöä ƙzøǺǤŸö àşǺDzǪǺ ɍ .ǺǤǺǺŌǨ ǺǪŋzǬǺǬ 290 ǦDZzŋ ȯzǜ ǢǺɜ ȴè 1 ǦǬǺǺǯæ ǦŌǤÛö îǺȶǪöä ȃǺŌǺ .R ȷǺǪǺæ
0.75 ǺǺòɉä zǹǺöä ƙzøǺǤŸö àşǺDzǪǺ ɍş Û0.5

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Paraffinum durum

Hard paraffin [illegible]

[illegible] **:Composition** [illegible]

:Chemical name [illegible]

Paraffin wax; paraffin waxes and hydrocarbon waxes; CAS Reg. No. 8002-74-2.

[illegible] **:Description** [illegible]

[illegible] (750~) [illegible] **:Solubility** [illegible]

[illegible] **:Category** [illegible]

[illegible] **:Storage** [illegible]

[illegible] 65 [illegible] 47 [illegible] **:Additional information** [illegible]

REQUIREMENTS [illegible]

Identity tests اختبارات الهوية

A: [illegible] 2 [illegible] 2 [illegible] 0.2 [illegible] (0.1) [illegible]

B: [illegible]

[illegible] 1.0 [illegible] **: Sulfated ash** [illegible]

[illegible] 5 [illegible] 10 [illegible] (710~) [illegible] **:Acidity and alkalinity** [illegible]

Phenylhydrargyri nitras

Phenylmercuric nitrate [illegible]

$C_{12}H_{11}Hg_2NO_4$

[illegible] **:Composition** [illegible]

.ÕÀǿɀõÀɳ

:Chemical name ȹǝÀȶȴÒöä ǈèɼä

. Nitratophenylmercury; (nitrato-*O*)phenylmercury; CAS Reg. No. 55-68-5.

.ĞĦǝäÀöä ǷÆɜ ÜȐȴäÜ Ƀǿɀ Ÿæ ȧɀĦÊɳ şÜ Ğɜȶ ŏÀȐȴæ ĠǝÀÀò **:Description** Ȥòɀöä

Ž ȁäşæ ÜTS (ò/ȟ750~) òɀɸÀǮɋä Ž ȷÀæşǾöä ĠȴĦȉ ÜǒÀţä Ž ÀǅDZ ȷÀæşǾöä ĠȴĦȉ **:Solubility** ĞȴɸÀæşǾöä .ĞǪæÀǯöä ğɀÀöäş R òşƘÊȴŸ8öä

.ȹǿæşÀÒɳ ǻÀȐɳ Şɀǵǵ **:Category** ĞÀÀöä

.òɀȒöä ȸɳ ȥȶƠ ȷÜş ÜǅǅDZ ĞÕŸ8ɳ ĞÀşÀǵ Ž ÕÀǿɀõÀɳ ÕȴǼÀöä ğäÀǪɸ ȸÀÂơ Ƶ **:Storage** ȸÀÂǺǪöä

ĞDZǿÆöÀæ ÀȚÔÀƙş òɀȒöÀæ ȁÀǺǪƙ ÕÀǿɀõÀɳ ÕȴǼÀöä ğäÀǪɸ **:Additional information** ĞȴɀÀȓÜ ğÀɳɀŸĦɳ .ÕÒÀǪöä ȝɳ °ȳ188

REQUIREMENTS ƘĞɦȢƱƙdž!ƒ

Identity tests اختبارات الهوية

õÀǪş ǰÀţä ȥŸ8À .òÀȐȴæ ĞæÀèǿ ǰǪƙ ÜTS ȳɀǻɀÔöä ÆȴÀŸè ȸɳ ȷÀƙÀÛç ȣÀȐÀ ȝĜÎţä òɀŸǂä ȸɳ Ōɳ 10 ƃÜ **:A** .öäǻɀè ĞæÀèÀöä ĠĜÔƙ ÜÀǪÊȴö

ÆȴÊõşǿƚ ȸɳ Ōɳ 5ş òÀǪǺţä ÆÀƩä ȸɳ ȟ 0.5ş R ÕɸÂöä ȧɀĦÊɳ ȸɳ ȟ 0.5 ȝɳ ȟ 0.5 ȸɸǺÊÀ **:B**
ȷɀö òÆǪÀ ÜğÀǸȡä ȧɀɀ R (ƵüÀţä) ȜÆţä Àƥȡä ÈȶÎöä ǻĜɜ ȧǿş ȸɳ ĞĦÛç ȝȓɀƙ .TS (ò/ȟ200~) ȳɀǻɀÔöä .ȧǿàȡä ƃÜ ȧǿɀöä

ȥǿǪǵ ȸɸǺÊÀş TS (ò/ȟ70~) ÕÀǿɀŸõşǿƚä Ȑƥ ȸɳ Ōɳ 1 ȣÀȐÀ ȝĜÎţä òɀŸǂä ȸɳ Ōɳ 10 ƃÜ **:C**
ȹÛĦÀ ÜTS (ò/ȟ15) äşƘÀöä ğÀÀŸè ȸɳ Ōɳ 2 ĞǵÀȉÀöä ȸɳ Ōɳ 5 ƃÜ ȣÀȐÀş ÜĜȉÀÀ .òÀȐȴæ ĞæÀèǿ ǰǪƙ ÜȷƚŸ8öä ÆŸÕä) ğäÀǪŸö ÂȴȶȶȘ "General identification tests ĞɳÀĦöä ȣäÀĦǪèɼä ğäǿÀĜǪǹä" ȷäɀɜ ƘƠ ȣɀòɀţä A ŌɜÀǪöä .(122 ĞĦÀÔöä Û1

ÛǻƎÀ ÛǒÀɳ Ōɳ 15 ȝɳ ȟ 0.1 ȸɸǺÊÀ **:Mercuric salts and heavy metals** ĞŸȴÕǯöä ȷǻÀĦţäş ÕȴÕȴæÂöä ǳŸɳÜ .òɸƗƙ ȷşǻ ÀŒɀö ȥÕĜÀ ĞæÀèǿ ǰǪƙ ÜĞǵÀȉÀöä ƃÜ TS ȳɀǻɀÔöä ÆȴÀŸè ȸɳ Ōɳ 0.1 ȣÀȐÀş ÜĜȉÀÀ

.ȟ/ȠŸɳ 5.0 ȸɜ ÆÀÀƙ ɼ **:Residue on ignation** (òÀĦǪȉɼä) ÆȴɳÀǪöÀæ ĞöÀȶǯöä

.ȟ/ȠŸɳ 10 ȸɳ ÀǯõÜ ÆÕÀöä ȷɀÒÀ ɼ Ü°ȳ 105 ĞDZǿÆöÀæ ĞǪæÀǪ ĞŸǪõ ƃÜ Ȥǻƶ **:Loss on dring** ȤȴÀDZǪöÀæ ÆÕÀöä

ǰ ζÒ ÜTS ȯζǂǼq/ȯşÂÀõζ ǳÈä ǥÀR̂ǹ ȡȠ ǧäÀÛę 3 ȣÀR̂ Ō ȡ/ȠŸȠ 0.2 ȯζŸȚ Ƃ Ü :**Acidity** Ǧȓζȶ Σä
.(ÀR̂ǹÜ) ǼÆÀȚ ȯζŸǂä

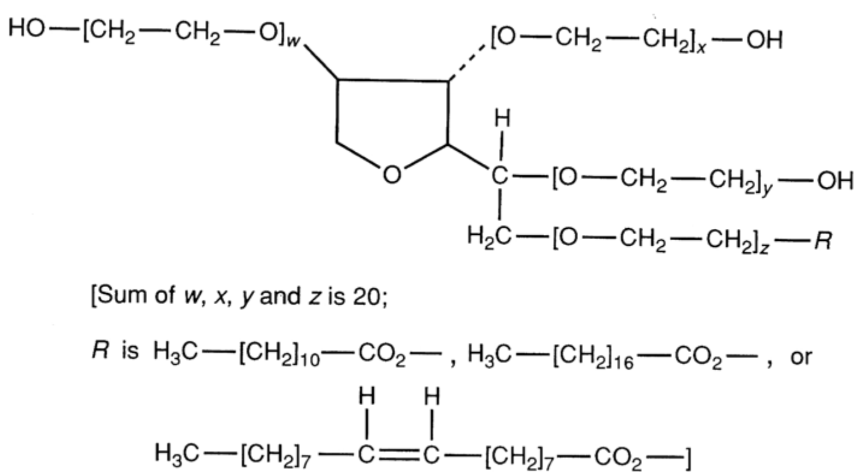
ŏÀţä ȡȠ Ōȡ 90 Ž ää Ǿķş ÛǦÈüşÀƯ ǦŸDZζǵ ƂÜ ÛǦÈüζǦR̂ȠǦ ςşàζȠ Ûȟ 0.2 ǦääÀę ŌŌÀ :**Assay** ǦÊÀŌţä
ÀÀĦş TS (ȯ/ȟ45) ŌƘÀöä ÿζȠ ζȠÜ ǧÀŸè ȡȠ Ōȡ 2 ȣÀR̂ .TS (ȯ/ȟ1000~) ŌÀöä R̀ ƥ ȡȠ Ōȡ 10ş
.VS (ȯ/ȯζȠ 0.05) ÿζȠ ζȠǂä ǧÀÈèζǯ

.$C_{12}H_{11}Hg_2NO_4$ ȡȠ ȟ 0.01586 üζÒ VS (ȯ/ȯζȠ 0.05) ÿζȠ ζȠǂä ǧÀÈèζȠ ȡȠ Ōȡ 1 Ōõ

ø ø ø ø ø

Polysorbata 20, 60, 80

(Polysorbates 20,60, 80) 80.60.20 ǀ ƑǤƥǋ ƨ ĭǁǋǦǁƐ



Û¢ǨäÆÀøÆŒÜş ȯζǪøζÊŸö ǦǝÂƨä ǦÆŁÆöä ô ζȶ Σä ǧäÀçq ǰ äÂȠ ɄȽ ǧÀøζÊöζǦöä :**Composition** ÆÈõÀöä
.ȯζǪøζÊöä ÆÀøÆŒÜş ȯζǪøζÊöä ȡȠ ȯζȠ Ōõ ŌäÀŌȠ ƙŸǯǂä ÆÈÊõÜ ȡȠ ǂζȠ 20 ǦääÀę ʒȠ ǥÀȶŸǦȠ

Ž ÀȠÜ .ʔÀǹÜ ǦÆŁå ô ζƥ ʔŸʒ ɃζǪƠ Æęş ÛŌÀøζŸöä R̀ ƥ ζȽ 20 ǧÀøζÊÈöζǦöä Ž ɄøÀŁÆöä R̀ȶ Σä
R̀ ƥ Àȶè ɍş ÛʔÀǹÜ ǦÆŁå ô ζƥ ÆDZζǩ Æęş ŌÀøÀǪÊöä R̀ ƥ ζȽ ɄøÀŁÆöä R̀ȶ ΣÀζ 60 ǧÀøζÊÈöζǦöä
.ŌÈöşǂä R̀ ƥ ζȽ ɄøÀŁÆöä R̀ȶ Σä 80 ǧÀøζÊÈöζǦöä Žş ÛŌǪţÀǦöä

:**Chemical name** ɄǝÀȶÒä ǀ è ɍä

Polysorbate 20: Polyoxyethylene 20 sorbitan monolaurate; sorbitan monododecanoate, poly(oxy-1,2-ethanediyl) derivatives; CAS Reg. No. 9005-64-5.

Polysorbate 60: Polyoxyethylene 20 sorbitan monostearate; sorbitan monooctadecanoate, poly(oxy-1,2-ethanediyl) derivatives; CAS Reg. No. 9005-67-8.

Polysorbate 80: Polyoxyethylene 20 sorbitan monooleate; sorbitan mono[(*Z*)-9-octadecenoate], poly(oxy-1,2-ethanediyl) derivatives; CAS Reg. No. 9005-65-6.

[illegible] **:Description** [illegible] 20 [illegible] 80 [illegible].
[illegible] 60 [illegible] 25 [illegible].

[illegible] **:Solubility** [illegible] (~750) [illegible] TS [illegible] R [illegible].
[illegible] R [illegible].

[illegible] **:Category** [illegible].

[illegible] **:Storage** [illegible].

[illegible] **:Additional information** [illegible] 20 [illegible] 60 [illegible] $d_{20}^{20} = 1.10$ [illegible]
[illegible] 80 [illegible] $d_{20}^{20} = 1.08$ [illegible].

REQUIREMENTS [illegible]

Identity tests [illegible]

[illegible] **:A** [illegible] 6 [illegible] 4 [illegible].

[illegible] **:B** 0.1 [illegible] 5 [illegible] R [illegible] 0.1 [illegible] 0.1 [illegible] R [illegible] (II) [illegible].

[illegible] **:Heavy metals** [illegible] 1.0 [illegible] "Limit test for heavy metals [illegible] 3 [illegible] 1 [illegible] 127) [illegible] A [illegible] 1 [illegible] 128) [illegible] 10 [illegible].

[illegible] **:Acid value** [illegible] 1 [illegible] 150) [illegible] 0.2.

[illegible] **:Hydroxyl value** [illegible] 4 [illegible] 44) [illegible] B.

[illegible] 20: 96-108.

[illegible] 60: 81-96.

[illegible] 80: 65-80.

.(148 ǦǶȦȎöä Û1 ǼŸŎä) :**Iodine value** ǻźĿöä ǦȶĿę

.5.0 ȸʒ ǼʌÂǩ ɍ :60ş 20 ğȦǽǿźÊĿőźǦöä

.24-18 :80 ğȦǽǿźÊĿőźǦöä

.(149 ǦǶȦȎöä Û1 ǼŸŎä) :**Saponification value** ƏÔƣöä ǦȶĿę

.50-40 :20 ğȦʌǿźÊĿőźǦöä

.55-45 :60 ğȦʌǿźÊĿőźǦöä

.55-45 :80 ğȦʌǿźÊĿőźǦöä

ȒƀȸŋŌŋ 25 ȣȦȒʌş ȸǹȦÊöä ǒȦţä ȸŋŌŋ 25 Žȟ 2 āäǾʌ :**Reducing impurities** ǦöÂƣǺţä ǼǝäźÎöä ǯȀʌ ÛVS (ȯ/ȯźŋ 0.01) ŌʌƘÊöä ȳźĿɋźŋȈ ğäȀƣǽ ȀʌȦȞʌ .TS ȷźʌȀöä ȸŋ 0.1ş TS (ȯ/ȟ100) ŌʌǿźȦŸÊöä ğȦǽǿźÊĿőźǦöä ǻźǅş ȷşǻ öäȀǅɋä ǻȦȞʌ . ǦĿɋȦƣ 30 ȀȶƣÊʌ ȧȒǺţä ȧǿȁɟä ƂȔ Ȁƀɟä ȸŋ ȷźŸöä ȯǼǦƣʌ ɂǿƣǵ ǿäȀȶƣȅȦǽ :VS (ȯ/ȯźŋ 0.01) ŌʌƘÊöä ȳźĿɋźŋȈ ğäȀƣ ǒƳƮƣȅä .ǦʌǿşȀȑ ğȦǶĿǶȎǩ ǦɴȈ ɁȀƟş ǦȍźǶȦţä

.Ōŋ 2.0 ȸʒ ǼʌÂʌ ɍ :60ş 20 ğȦǽǿźÊĿőźǽ

.Ōŋ 5.0 ȸʒ ǼʌÂʌ ɍ :80 ğȦǽǿźÊĿőźǽ

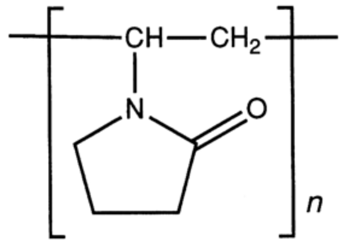
.ȟ/ŋŸŋ 2.5 ȸʒ ǼʌÂʌ ɍ Üȟ 20 ȳǼǺƣÊʌ :**Sulfated ash** ǨȦŸÊţä ǻȦŋȀöä

Determination of water by ȀÎĿź ȯǿȦõ ǦŌʌȀÛǽ ǒȦţä ƙĿȞǩ" ȷäźȀʒ ǨƠ ȣźȍźŋ źȽ Ȧȶõ ƙȞʌ :**Water** ǒȦţä 30 ȸʒ ǒȦţä ɁźƣƮ ǼʌÂʌ ɍ Üȟ 1 ȳäǼǺƣȅȦǽ (145 ǦǶȦȎöä Û1ǼŸŎä) A ǦŌʌȀÛöä "The Karl Fischer method .ȟ/ŋŸŋ

ØØØØØ

Polyvidonum

Povidone [illegible]



$(C_6H_9NO)_n$

[illegible] 1-[illegible]-2-[illegible] [illegible] **:Composition** [illegible]
.[illegible] 700.000 [illegible] 10.000 [illegible]

:Chemical name [illegible]

1-Vinyl-2-pyrrolidinone polymer; 1-ethenyl-2-pyrrolidinone homopolymer; CAS Reg. No. 9003-39-8.

.[illegible] **:other name** [illegible]

.[illegible] **:Description** [illegible]

.R [illegible] R [illegible] TS (750~) [illegible] **:Solubility** [illegible]

.[illegible] **:Category** [illegible]

.[illegible] **:Storage** [illegible]

.[illegible] **:Labelling** [illegible]

[illegible] **:Additional information** [illegible]
.Plasma extender [illegible]

REQUIREMENTS [illegible]

[illegible] %11.5 [illegible] **:General requirements** [illegible]
.[illegible] %12.8

[illegible] 2 [illegible] VS [illegible] 1) [illegible] 10 [illegible] 5 [illegible] 0.5 [illegible] :A
. [illegible] :TS [illegible]100) [illegible]

[illegible] 0.1 [illegible] TS6 [illegible]-4 [illegible] 0.2 [illegible] 1 [illegible] 0.1 [illegible] :B
.[illegible] TS [illegible]1760~) [illegible]

[illegible] 1.0 [illegible] :**Heavy metals** [illegible]
[illegible] (127 [illegible] 1 [illegible]) 1 [illegible] "Limit test for heavy metals [illegible]
.[illegible] 10 [illegible] (128 [illegible] 1 [illegible]) A [illegible]

.[illegible] 1.0 [illegible] :**Sulfated ash** [illegible]

Determination of water by [illegible] :**Water** [illegible]
50 [illegible] 0.5 [illegible] (145 [illegible] 1 [illegible]) A [illegible] "The Karl Fischer method
.[illegible]

[illegible] ST [illegible]440~) [illegible] 180 [illegible] 10 [illegible] :**Aldehydes** [illegible]
[illegible] 100 [illegible] 45 [illegible]
[illegible] ST [illegible]70) [illegible] 20 [illegible]
[illegible] 3.1 [illegible] VS [illegible] 0.1) [illegible] .3.1 [illegible]
.[illegible]

.[illegible] 4.405 [illegible] VS [illegible] 0.1) [illegible] 1 [illegible]
.([illegible] 2.0) VS [illegible] 0.1) [illegible] 4.6 [illegible]

[illegible] 1 [illegible] 80 [illegible] 10 [illegible] :**Vinylpyrrolidinone** [illegible]
[illegible] 3.0 [illegible] VS [illegible] 0.05) [illegible] R
[illegible] VS [illegible] 0.1) [illegible] 10 [illegible] VS [illegible]0.05)
[illegible]
.([illegible] 2.0) VS [illegible] 0.05) [illegible] 3.6 [illegible]

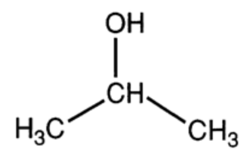
"determination of nitrogen [illegible] A [illegible] :**Assay** [illegible]

[illegible] 11 [illegible] 0.3 [illegible] (147 [illegible] 1 [illegible]) [illegible] TS (~330) [illegible] 1 [illegible] .TS (~1760) [illegible] [illegible] 1.401 [illegible] VS (0.05) [illegible] 1 [illegible] .N

[illegible]

2-Propanolum

2-Propanol [illegible]**-2**



C_3H_8O

60.10 :**Relative molecular mass** [illegible]

:**Chemical name** [illegible]

Isopropyl alcohol; 2-propanol; CAS Reg. No. 67-63-0.

[illegible] :**Description** [illegible]

[illegible] R [illegible] TS (~750) [illegible] :**Miscibility** [illegible]

[illegible] :**Category** [illegible]

[illegible] -2 [illegible] :**Storage** [illegible]

[illegible] 83- 81 [illegible] -2 [illegible] :**Additional information** [illegible]

REQUIREMENTS [illegible]

Identity tests [illegible]

[illegible] TS [illegible] 2 [illegible] 1 [illegible] 9 [illegible] 1 [illegible] :A [illegible]

[illegible] 1 [illegible] 3 [illegible] 1 [illegible] (100) [illegible]
[illegible] (~1760) [illegible].

[illegible] **Refractive index**: $n_D^{20} = 1.376 - 1.378$.

[illegible] **Relative density**: $d_{20}^{20} = 0.783 - 0.787$.

[illegible] **Nonvolatile residue**: [illegible] 50 [illegible] 105° [illegible] 2.5 [illegible] (0.005%).

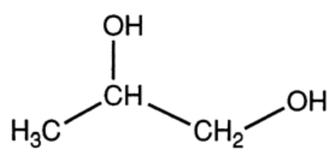
[illegible] **Acidity**: [illegible] 50 [illegible] 100 [illegible] (0.02) [illegible] 30 [illegible] 0.7 [illegible] (0.02) [illegible].

[illegible] **Aldehydes and ketones**: [illegible] 25 [illegible] 25 [illegible] 50 [illegible] 5 [illegible] (0.1) [illegible] 50 [illegible] (0.1) [illegible] 2.0 [illegible].

[illegible]

Propyleneglycolum

Propylene glycol [illegible]



$C_3H_8O_2$

[illegible] **Relative molecular mass**: 76.09

[illegible] **Chemical name**:

1,2-Propanediol; CAS Reg. No. 57-55-6.

[illegible] **Description**: [illegible].

.R ӯǿʐʐşǿʐŸȮǒǟş TS (ȯ/ȟ750~) ȯʐᵩǰǯ\ɋǟş ǒȦţȦǟ ʒşÂư :**Miscibility** ǦƊʐşÂţǟ

.ÆüȀɳ ÜÆ\Ǿɳ :**Category** ǦȦȦǒǟ

.ӯȦȮǵǖǟ ǦŌŸȣɳ Ǧ\şȦǵ Ž ƙŸǟşƎǒǟ ȯʐȮƎŸɖ ȘȦǵ Ƶ :**Storage** ȸ\ÂǺǪǒǟ

.°ӯ189-185 ǿȦƬÔᵩɍǟ ȯȦƒ ÛÆüȀǪÊɳ ƙŸǟşƎǒǟ ȯʐȮƎŸɖ :**Additional information** ǦƎʐȦȓÜ ǧȦɳʐŸĦɳ

REQUIREMENTS ƘǦǜƱƙǳ!ƒ

Identity test ƕǐƝǌǇɛ ƥƑƓƗƢɛ

ȯʐŸɫǟ ǟǾŁ ȸɳ Ōɳ 0.5 ʒȓʐ\ş ÛŌɳ 10 ƂÜ Ōɳ 1 ZȦƸ ÛŌɳ 100 ǯȦǪᵩɋ ǒȦţǟ ȸɳ ǦƎʐȦȭ ǦƎȶȭ Ž Ōɳ 0.1 ǡǟǾ\ Ȭ\ǿʐȦŸÊǒǟ ȐȶΣǟ ȸɳ Ōɳ 90ş ǒȦţǟ ȸɳ Ōɳ 10 ǻȦǪţǟ ǰ\Âţǟ ȸɳ Ōɳ 5 ƂÜ ȣȦȒ\ ÛÆƎŸƨǟ Ž ǻƎ\ .ǿȦǪȁɍǟ ǡʐǦǪÜ Ž ɄǪŸǪ ȸɳ Ōɳ 0.2 ȣȦȒ\ .ǦƎᵩȦǪ ǻƎ\ş ÛĘǟȦęǻ 10 ǵÆɳ °ӯ 70 ǦƊǿÆǟ ɄǟȦɳ ӯȦƥ Ž ȸǺÊ\ ÛTS (ȯ/ȟ1760~) .ǒÙǦǟ ɄƊÊȦȦǟ ȷʐǒ ȦƬŢ\ ÜTS ӯʐ\ǻʐÔǒǟ ƘƎȦŸÊƎǟȦǪƎɳ/ȸ\Æ\ǿÆƎŁʐǪƎȭ

. $n_{\mathrm{D}}^{20} = 1.431 - 1.433$:**Refractive index** ǿȦÊȮᵩɍǟ ÆÊȦɳ

. $d_{20}^{20} = 1.035 - 1.040$:**Relative density** ǦŸǪȮǒǟ ǦʐȦǯȭ

ǿȦǪȁɍǟ" ȷǟʐ\ʒ ǨƠ ȣʐȍʐɳ ʐŁ Ȧȶȭ ǿȦǪȁɍǟ ȯʐŸŢ ƘȒɄǪǒ Ōɳ 4 ӯÆǺǪÊ\ :**Heavy metals** ǦŸƎȬǯǒǟ ȷǻȦȞţǟ ȸɳ ʡʐǪɫǟ ƙȞ\ Ü(127 ǦɄȦÔǒǟ Û1 ÆŸǑǟ) 1 ǒǟȀƊʐɋǟ "Limit test for heavy metals ǦŸƎȬǯǒǟ ȷǻȦȞţǟ ŌƊɉ ɃÆΣǟ .ȟ/ӯǟȀɖşȀȮɳ 5 ȸʒ Æ\Â\ ɍ Ü(128 ǦɄȦÔǒǟ Û1 ÆŸǑǟ) A ǦŌ\ȀÛŸǒ ǦƎǦǨ ǦŸƎȬǯǒǟ ȷǻȦȞţǟ

.ȷʐŸǒǟ ƇÆʒş ǦƎʐȦȍ ƙŸƎǟşƎǒǟ ȯʐȮƎŸɖ ȷʐȮ\ ȷÜ Ƶ :**Clarity and colour of solution** ȯʐŸɫǟ ȷʐǒş ǒȦȦÔǒǟ

.(ȟ/ɳŸɳ 0.1) ɳŸɳ 5 ȸʒ ǦǒȦȶǯǒǟ ȷǟş Æ\Â\ ɍ Üȟ 50 ӯÆǺǪÊ\ : **Sulfated ash** ƘȦŸÊţǟ ǻȦɳȀǒǟ

Determination of water ȀÎƎʐ ȯǿȦȭ ǦŌ\ȀÛǟ ǒȦţǟ ƙƎȞ" ȷǟʐ\ʒ ǨƠ ȣʐȍʐɳ ʐŁ Ȧȶȭ ǒȦţǟ ƙȞ\ :**Water** ǒȦţǟ ȸʒ ǒȦţǟ ȸɳ ʡʐǪɫǟ Æ\Â\ ɍ Üȟ 5 ӯǟÆǺǪèȦǟ (145 ǦɄȦÔǒǟ Û1 ÆŸǑǟ) A ǦŌ\ȀÛǒǟ Ü"by The Karl Fischer method .ȟ/ɳŸɳ 2.0

ȷʐȮ\ ÜTS ȯʐᵩȦǯ\ɋǟ/ȯʐȶƎǪʐɳşƎǒǟ Ǧęǿǟ ȸɳ Ōɳ 0.1ş ǒȦţǟ ȸɳ Ōɳ 40 ȣȦȒ\ Ōɳ 10 ƂÜ :**Acidity** ǦȓʐȶΣǟ ɁŸʒ ȯʐÔɄŸǒ Ōɳ 0.05 ȸɳ ȀǯȭÜ ÆŸÛǪ\ ɍ ÜVS (ȯ/ȯʐɳ 0.1) ӯʐ\ǻʐÔǒǟ ÆƎÊȭşǿÆƎǒ Ȁ\ȞȦ .ǻȦȒƯ ȀȦȍÜ ȯʐŸɫǟ .(ȧǿǟÜ) ȀȞÎȶŸǒ ɁÛèʐǒǟ ǦÛȬȦǒǟ

ӯʐƎèȦǩʐǦǒǟ Æ\ǻʐ\ ȸɳ Ōɳ 2ş ǒȦţǟ ȸɳ Ōɳ 5 ȣȦȒ\ Ōɳ 10 ƂÜ :**Oxidizing substances** ǵÆƎÊȭűţǟ ǻǟʐţǟ ȸɳ ǦƎȶŢ ǵǻǟÆè ǧǟǟ ǦŸƊʐǵ Ž ȀǪÊƎǒ ȭȀǪ\ş ÛTS (ȯ/ȟ100~) Ȭ\ǿʐȦŸÊǒǟ Ȑƥ ȸɳ Ōɳ 2ş ÛTS (ȯ/ȟ80)

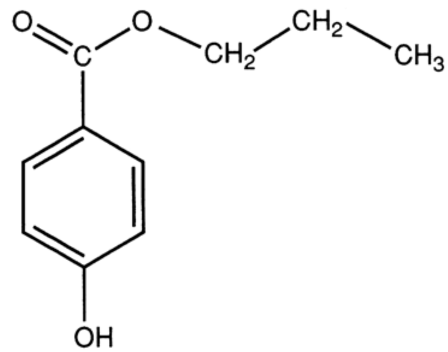
[illegible] (0.05) [illegible] 15 [illegible] 0.2 [illegible].

[illegible] **Reducing substances**: [illegible] 1 [illegible] 1 [illegible] (~100) [illegible] 60 [illegible] 5 [illegible] 0.15 [illegible] (0.1) [illegible] 5 [illegible].

ØØØØØ

Propylis hydroxbenzoas

Propyl hydroxbenzoate [illegible]



$C_{10}H_{12}O_3$

[illegible] **Relative molecular mass**: 180.2

[illegible] **Chemical name**:

Propyl *p*-hydroxybenzoate; propyl 4-hydroxybenzoate; CAS Reg. No. 94-13-3.

[illegible] **other name**: [illegible] Propylparaben

[illegible] **Description**: [illegible].

[illegible] **Solubility**: [illegible] (~750) [illegible] R.

[illegible] **Category**: [illegible].

[illegible] **Storage**: [illegible].

ȝƞ ǦõóÌÎţÀǣ ǦĔȞĔǤÛöä ǦöÌΣä Ž ŌĿǣşƎöä ğäşÂøÀǣ ÿÆÁϘÊǩ :**Additional information** ǦĿzÀȓǓ ğÀƞzŸȞƞ
.ɁÀǹɉä ğäşÂøÀǣ ɄÊõşóÆĿŢä

REQUIREMENTS ƘǦƜǢƱƙdž!ƒ

ţzǅÀöÀǣ ǦǣzÊƮ Û$C_{10}H_{12}O_3$ ȹƞ %101.0 ǜzÀÓΛ Àȶȝ ÆΛÂΛ ɍş %99.0 ȹȝ ŌŐΛ ɍÀƞ ŌĿǣşƎöä ğäşÂøÀǣ ɃzϘƠ
.ǦÀǡŎä ǥåÀţä ƂǓ

اختبارات الهوية Identity tests

."Melting range óÀƬÔφɍä ȯÀƒ" ɈäzΛȝ ǨƠ ȣzȍzţä óÀϘǹɍä ɄøǦŸΛ :A

.ĘəÀęå 5 ǥÆƞ ɄəÀƞ ÿÀƥ Ž ȸƥÂÊΛş TS (ȯ/ȟ 80~) ÿzΛåzÔöä ÆĿÊõşóÆĿȽ ȹƞ Ōƞ 5 ȣÀȒΛ ȟ 0.5 ƂǓ :B
ǦĿȶÓǣ ȲƞÀõ ŌÊȣǩ ÛǴǡÀţä Ž ǦǣÀèÀöä ȝȶθ ÛTS (ȯ/ȟ190~) ȬΛózÀŸÊöä ȐƥȸƞŌƞ 6 ȣÀȒΛ ÆΛƎϘöä ÆȞǣ
.°ÿ214 ǦǣäÀę óÀƬÔφɍä ǦǅǅóǢ .R ǦÀÀŎä ÀÓĿŸĿÊöä ǦƞŶȽ ȧzz ȤÀθş ÛöÀţä ȹƞ ǥƘȣȍ

.°ÿ99-96 :**Melting range** óÀƬÔφɍä ȯÀƒ

.ȟ/ƞŸƞ 1.0 ȹȝ ÆΛÂΛ ɍ : **Sulfated ash** ǨÀŸÊţä åÀƞÀöä

şǓ ȯÀÓèÀǣ zŸĔõ 0.6 ȹȝ ÆΛÂΛ ɍ) ȐÀÁÀƞ Ȕȣȓ ǨƠ °ÿ 80 ǦǅǅóÆöÀǣ ȤÀƺ :**Loss on dring** ȤĿÀǄzϘöÀǣ ÆŌÀöä
.ȟ/ƞŸƞ 5.0 ȹƞ ÀǰõǓ ÆŌÀöä ɈzÓΛ ɍ ÜƘϘȝÀè ǥÆƞ (ĘǦəä ȴƞ 5

ɄəÀϘ ȹƞ ƂÀȴä öÀţä ȹƞ Ōƞ 5 ȣÀȒΛ ÛTS (ȯ/ȟ750~) ȯzφÀǰΛɋä ȹƞ Ōƞ 5 Ž ȟ 0.2 ǡäǾΛ :**Acidity** ǦȓzȶΣä
ǥÀȒǹ ȹƞ Ōƞ 0.1 ÿäÆÁϘèÀǣ ÛVS (ȯ/ȯzƞ 0.1) ÿzΛåzÔöä ÆĿÊõşóÆĿǒ ÀΛÀȞΛş ÛR ɈzǣÀÓöä ÆĿÊõǓ
.(ÀȒǹǓ) ÀȞÎȶŸö ɁÛèzöä ǦÛŎÀöä ɁŸȝ ȯzÔȞŸö Ōƞ 0.1 ȹƞ ÀǰõǓ ÆŸÛϘΛ ɍ ÜÀȞÎȶõ TS ȯzφÀǰΛɋä/ȯşÂΛÀõzƞşƎöä

25 ȣÀȒΛ ÛǦĿǅǅǅä ǥåäÆè ğäǣ ǦȞÛÊƞ ǦŸǅzǵ Ž ÛǦĿǜzǦȒƞ ǦφşäzƞÛƞŸƞ 80 ǦǣäÀę ȝȓzΛ :**Assay** ǦÊΛÀŐţä
.ǦŐĿęå 30 ǥÆƞ ɄȝzǅÀöä ɈÀΛÀƨÀǣ ŌȶȞΛ ȤǰÓƞ ǨƠ ȤÛŸǣ ɁŸȣΛş TS (ȯ/ȟ80~) ÿzΛåzÔöä ÆĿÊõşóÆĿȽ ȹƞ Ōƞ
125~) ÿzĿèÀǩzǦöä ÆĿƞşÀǣ ȹƞ Ōƞ 5ş VS (ȯ/ȯzƞ 0.0333) ÿzĿèÀǩzǦöä ğÀƞşÀǣ ȹƞ Ōƞ 25 ȣÀȒΛ ÛåƎĿö õÀϘΛ
ȬΛózŸõşóÆĿŢä ȐƥȸƞŌƞ 10 ȣÀȒΛş ÆĿŸƨä ȯÀƞ Ž åƎΛ .R ɄǅzŸǰöä ȬĿϘĿèɉä ȐƥȸƞŌƞ 40ş TS (ȯ/ȟ
80~) ÿzĿèÀǩzǦöä ÆΛåzΛ ȹƞ Ōƞ 30 ȣÀȒΛ ÛǦŐĿęå 15 ǥÆƞ ÀŐϘÊϘö õÀϘǩş ǥÀȉÀǦƞ ǦŸǅzΣä ÆÊǩ .TS (ȯ/ȟ420~)
TS ÀÎÀöä ȹƞ Ōƞ 2 ÿäÆÁϘèÀǣ VS (ȯ/ ȯzƞ 0.1) ÿzΛåzÔöä ğÀÀŸè zĿǯǣ ÀΛÀȞΛ ÛǯÂƹş ǦŸǅzΣä ĘŸȣǩ ÛTS (ȯ/ȟ
ǦΛǓ ɁÀθş ȋzȞÀţä ŌĿǣşƎöä ğäşÂøÀǣ ɄÊõşóÆĿȽ Ɉşå ȍäǅzɋä åÀȞΛ .ǥÀΛÀȞţä ǦÀŒ ǡÀę ÀÎÀöä ȣÀȒΛ ÛÀȞÎȶõ

.ǴΛǿşÀȓ ğǺĦʉĦʉÔǩ

ÿǫȅǺǩǫǴöä ğǺŋşÀǣ ȸŋ ƙȶǅǵ VS (ȯ/ȯǫŋ 0.1) ÿǫΛǻǫÔöä ğǺǺŸȅǫĦǭ ȸŋ ǼǵäşȽǅǵ Ōõ ĘǫäǫΛ

.$C_{10}H_{12}O_3$ ȸŋ ŊŸŋ 6.007 ǜǫǺȮΛ VS (ȯ/ȯǫŋ 0.0333) ÿǫȅǺǩǫǴöä ğǺŋşÀǣ ȸŋ Ōŋ 1 Ōõ .VS (ȯ/ȯǫŋ 0.0333)

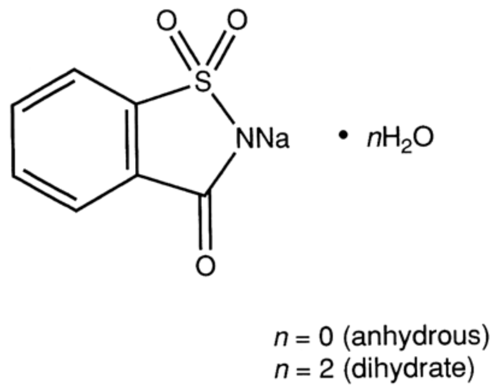
ØØØØØ

Saccharinum natricum

Saccharin sodium ǅǐþƑǀƨǁ !ǋǐǭǋƬ

Saccharin sodium, anhydrous ǑƑǴǆǚ!ƒ ǇǒƧǴǂƪ!ƒ ǅǍǒþǍƬ

Saccharin sodium, dihydrate ƘƒƧþǒǌ!ƒ ǑƑǴǉǍ ǇǒƧǴǂƪ!ƒ ǅǍǒþǍƬ



$C_7H_4NNaO_3S$ (anhydrous)
$C_7H_4NNaO_3S,2H_2O$ (dihydrate)

.(ğäǿǼĦƬä ɄəǺǺǭ) 241.2 Ü(ɄəǺŋɍ) 205.2 :**Relative molecular mass** ǴĦǴÊǺöä ǴĦǺΛÂƨä ǴŸǪȮöä

:**Chemical name** ɄəǺĦȶĦÒöä ȴȅɍä

1,2-Benzisothiazolin-3-one 1,1-dioxide, sodium salt; 1,2-benzisothiazol-3(2*H*)-one 1,1-dioxide, sodium salt; CAS Reg. No. 128-44-9 (anhydrous).

1,2-Benzisothiazolin-3-one 1,1-dioxide, sodium salt, dihydrate; 1,2-benzisothiazol-3(2*H*)-one 1,1-dioxide, sodium salt, dihydrate; CAS Reg. No. 6155-57-3 (dihydrate).

.Saccharimidum natricum ÿşǼĦƺǿǺȮÊöä ÿǫΛǻǫȍ :**other name** Àňɇä ȴȅɍä

.ǺǴΛÀŌǩ ǴĦəäÀöä ƇǼȝ şǕ ǴĦəäÀöä ƇǼȝ ÜȒĦǕ ɃǿǫŸǣ ȧǫĦʉÊŋ şǕ ȷǫŸöä ǴƺǼȝ ğäǿǫŸǣ :**Description** Ȥȍǫöä

Ƙǭɉä Ž āäşǽ ɍ ĦǺŸȶȝ ÜTS (ȯ/ȟ750~) ȯǫǵǺǯΛqä Ž ȷǺǣşǾöä ŌĦŸę ÜöǺƫä Ž ȷǺǣşǾöä Àǵ :**Solubility** ǴĦǵǺǣşǾöä

.R

[illegible] .Sweetening [illegible] :**Category** [illegible]

[illegible] :**Storage** [illegible]

[illegible] :**Additional information** [illegible]

REQUIREMENTS [illegible]

[illegible] %101.0 [illegible] %98.0 [illegible] $C_7H_4NNaO_3S$ [illegible]

Identity tests اختبارات الهوية

A: [illegible] 20 [illegible] 0.04 [illegible] R [illegible] 0.5 [illegible] (~1760 [illegible]) TS [illegible] (~80 [illegible]) [illegible] 10 [illegible] TS [illegible]

B: [illegible] 1 [illegible]:

- [illegible] (~60 [illegible]) TS. [illegible] B [illegible] "General identification tests [illegible]" [illegible] 1 [illegible] 123).

- [illegible] (~70 [illegible]) TS. [illegible] A [illegible] "General identification tests [illegible]" [illegible] 1 [illegible] 123).

Arsenic [illegible]: [illegible] 3.3 [illegible] 3.3 [illegible] R. [illegible] 550 [illegible] (~250 [illegible]) AsTS [illegible] 5 [illegible] 3 [illegible] "Limit test for arsenic [illegible]" [illegible] 1 [illegible] 130) [illegible]

Heavy metals [illegible]: [illegible] 1.0 [illegible] "Limit test for heavy metals [illegible]" 1 [illegible] 127) [illegible] A [illegible] 1 [illegible] 128) [illegible] 20 [illegible]

Determination of [illegible] :**Water** [illegible] 1 [illegible] (145 [illegible] 1 [illegible]) A [illegible] "water by The Karl Fischer method [illegible] 150 [illegible].

[illegible] 10 [illegible] 1 [illegible] :**Free acid or alkali** [illegible] (0.01 [illegible]) [illegible] VS (0.005 [illegible]) [illegible] 5 [illegible] 5.5-4.5 [illegible] TS [illegible] VS [illegible].

[illegible] :**Related substances** [illegible] 100 [illegible] R1 [illegible] (84 [illegible] 1 [illegible]) "Thin-layer chromatography [illegible] TS (260~ [illegible]) [illegible] 10 R [illegible] 50 R [illegible] (100 [illegible]) [illegible] 10 [illegible] 2.6 [illegible] (A) [illegible] 25 [illegible] 250 [illegible] 12.5 [illegible] TS [illegible] .Stopcock [illegible] 30 [illegible] 50 [illegible] R [illegible] 50 [illegible] (B) [illegible] .R [illegible] 4 [illegible] 1 [illegible] 5 (C) [illegible] .R [illegible] RS [illegible]-2-[illegible] .R [illegible] 1 [illegible] R [illegible]-4 [illegible] 50 (D) [illegible] .R [illegible] 5 [illegible] 105 [illegible] .TS1 [illegible] 1 [illegible] R [illegible] 5 [illegible] 0.05 [illegible] .R [illegible] %1 [illegible] TS [illegible].

[illegible]-2-[illegible] A [illegible] .B [illegible]-4 [illegible] C [illegible] .D [illegible].

[illegible] R [illegible] 30 [illegible] 0.3 [illegible] :**Assay** [illegible] Non-aqueous [illegible] VS (0.1 [illegible]) [illegible] (142 [illegible] 1 [illegible]) A [illegible] "titration.

[illegible] 1 [illegible] VS (0.1 [illegible]) [illegible] 20.52 [illegible] $C_7H_4NNaO_3S$.

Talcum

Talc الطلق

Composition: [illegible]

Chemical name: [illegible]

Talc; talc $[Mg_3H_2(SiO_3)_4]$; CAS Reg. No. 14807-96-6.

Description: [illegible] unctuous [illegible]

Solubility: [illegible]

Category: [illegible]

Storage: [illegible]

Additional information: [illegible]

REQUIREMENTS [illegible]

Identity tests اختبارات الهوية

A: [illegible]

B: [illegible]

Microscopic examination: [illegible]

Ž ÿƺƐÆƋƺƐǭ ŌƐǮƐţă ÆÀøƺŸÒǒ Ōŋ/ŊŸŋ 1 ȯƺŸŢ Ž ğÀŧƐÊDzŸǒ àøÀǣ ɭƙŸǩ ŞğŶÀ ɍ ǦÀÀŢŎă àƺǪÊǦè ɟă Ȣ ÀƐǒǕ ȸŋ ȯÀǹ
.TS (ȯ /ȟ750~) ȯƺǫÀǮÀqă

Ōŋ 50 ȢÀȒÀ ǕŌŋ 250 ÀŢǪǶè ǦŸDZƺǵ ƂǕ ȟ 10 ŌŌÀÀ :**Arsenic and heavy metals** ǦŸƐŌǯǒă ɭáÀȟţăş ǸƐǫøÂǒă

ğÆŋ ȗəÀŋ ÿÀþ Ž ȸÁÊÀş ǕȗʒƺDZÀǒă ɭÀÀÀƨÀǣ ŌŧȞÀ ƵǯŌŋ ŌòƺÀ ǕVS (ȯ/ȯƺŋ 0.5) ŌÀøƺŸŏşøÆƐŢă Ȑþ ȸŋ

ȧƺƺ ȸŋ ŽÀǕǒă ŌəÀÊǒă ÆȮÊÀ) ɭÀǦǂ .ÆęÀǨ ʔøǪǵ ǦăăǾţă Ƙȡ ğáÀţă ȭÀǪǩş ȧøşá ƂǕ ǰÀÂţă ŌŌÀÀ ǕáǶÀ .ǦŌƐęá 30

ŞÀǪƷ .Ōŋ 100 ÀŢǪǶè ǦƐŧDzǵ ǦŸDZƺǵ ƂǕ ǦǕèƺǪŋ ǦDZøÆǒ ƙǪŋ ƙÁǭ ǴƐìÀǩ ȧøş ǦùÀèƺǣ ŽÀǕǒă ŌəÀÊǒă (ÆèăÀǒă

Ōȭ ɭÀǦǨ .Ōŋ 10 ÀŢÀŋ Ōȭ øÀΣă ŏÀţă ȸŋ ŏăÀDZǕ ǦǪŸǮǣ ȧøşÆǒă ŌÊȢÀ ǕȧøşÆǒă Ž ɭÀȮŋqă øÆę ǦăăǾţă Ƙȡ ğáÀţÀǣ

.ǯÂƨş ǕȽDzǵ ƂǕ ƵÀƸş ǕǴìÀÀş ǕáƎÀ ǕøÀΣă ŏÀţă ȸŋ Ōŋ 15 øǣ ǴăìÀţă ŌÊȢÀ ǦÀÀŢÀǒă Ž .¢ÊÀǫ ǴìÀţÀǣ ǦǒÀÊȡ

: ǦƐǒÀǪǒă ğăøÀǦǪǹŸǒ ȯƺŸɨă ÿÆÁǪÊÀ

"Limit test for arsenic ǸƐǫøÂǒă ŌDZɟ ɃÆΣă øÀǦǪǹɍă" ɭăƺÀʒ ǨƠ ȢƺòƺŋƺȽ ŌŧȭʒăÀǪÀş Ōŋ 10 ÿÆÁǪÊÀ -

.ȟ/ÿăÀȡşÀȮŋ 3 ȸʒ ǸƐǫøÂǒă ȸŋ ʔƺǪɨă ÆÀÂÀ ɍ Ǖ(130 ǦȞÀÔǒă Ǖ1 ÆŸŎă)

Limit test for heavy ǦŸƐŌǯǒă ɭáÀȟţă ŌDZɟ ɃÆΣă øÀǦǪǹɍă" ɭăƺÀʒ ǨƠ ȢƺòƺŋƺȽ ŌŧȭʒăÀǪÀş Ōŋ 5 ÿÆÁǪÊÀ -

ǦȞÀÔǒă Ǖ1 ÆŸŎă) A ǦŌÀÀǕǒă ÆÊШ ǦŸƐŌǯǒă ɭáÀȟţă ȸŋ ʔƺǪɨă ƙȞÀ Ǖ(127 ǦȞÀÔǒă Ǖ1ÆŸŎă) 1 ŏăÀDZqă "metals

.ȟ/ÿăÀȡşÀȮŋ 40 ȸʒ ÆÀÂÀ ɍ Ǖ(128

.ɭăøƺƺ ŞğŶÀ ɍ ǕTS (ȯ/ȟ100~) ŌÀøƺÀŸÊǒă Ȑþ ȸŋ Ōŋ 40 Ž ȟ 0.25 ȨŸȞÀ :**Carbonates** ğÀǫƺǣÀȮǒă

ŌÀøƺŸŏşøÆƐŢă Ȑþ ȸŋ Ōŋ 20 øǣ ȟ1.0 ȽȒŢÀ :**Acid-soluble substances** ȐŧΣÀǣ ǦăăşǾǒă áăƺţă

ȸȮǨ Ƀ ăæǕ) .ǴìÀÀş ǕŌŋ 50 ǯÀǪǫq ŏÀţă ȸŋ ǦƐƺÀȭ ǦƐŧȭ ȢÀȒÀ ǕáƎÀ ǕǦŌƐęá 15ğÆŋ °ÿ50 ǦDZøÆǒÀǣ TS (ȯ/ȟ70~)

Ȑþ ȸŋ Ōŋ 1 ȢÀȒÀ Ǖ("Iron ÆÀÆΣă" ŌDZɟ ȗęÀǦǒă ŞÀƷ) ŽÀŌǒă ȯƺŸɨă ȸŋ Ōŋ 25 ƂǕ .(ŌǞǯǂ ǦƐƺÀò ǦğÀìÀǒă

20 ȸʒ ÆÀÂÀǨɍ ǕɭàƺÀş °ÿ25 ± 800 ǦDZøÆǣ ǦǒÀŧǯǒă ÆŋÀǨ .ȢÀÀƨă ʔøǪǵ ÀɏÁǦÀş ǕTS (ȯ/ȟ100~) ŌÀøƺÀŸÊǒă

.ȟ/ŊŸŋ

ȐŧΣă Ž ǦăăşǾǒă áăƺţă" Ž ÀÀǫǕ øƺȭǾţă øÀǦǪǹɍă ȸŋ ÀŢƐŸʒ ŌŎȞǪÊţă ǦğÀìÀǒă ȸŋ Ōŋ 10 ȐɥƷ :**Iron** ÆÀÆΣă

ÿƺƐèÀǩƺǦǒă ÆƐǫÀƐèşƘƺ ȸŋ Ōŋ 1 ȢÀȒÀş TS (ȯ/ȟ70~) ŌÀøƺŸŏşøÆƐŢă ȐŧШ "Acid-soluble substances

.ȧøàÀǕ ɭƺǒ ŞğŶÀ ɍ ǕTS (ȯ/ȟ45)

ǕǦŌƐęá 30 ğÆŋ ŏÀţă ȸŋ Ōŋ 50 ʒŋ ȟ 10 ʔŸȢÀ :**Reaction and soluble substances** ǦăăşǾǒă áăƺţăş ŌʒÀÀǪǒă

áÀǦʒ ȧøş ʔŸʒ ğÆÀÀŢ ǦğÀìÀǒă ɭƺȮǨ ǕǴìÀÀş ǕǞǦÀÀŌǨ ȗŸòɟă ȽDzΣă ʔŸʒ ǦŢƺÀȞŧŸǒ ÀǹǕ ƂǕ Ǩęş ȸŋ ŏÀţă ȢÀȒÀş

ǦŸǪȭ ÆÀÂÀǨ ɍ ǕğÆğăş ǦʒÀè ğÆŋ °ÿ 105 ǦDZøÆǣ ǦǒÀŧǯǒă ƵÀƟş ȢÀÀƨă ʔøǪǵ ǦğÀìÀǒă ȸŋ Ōŋ 20 ÀÁǦÀ .R ÈŧÎǒă

.(ȟ/ŊŸŋ 1) ŊŸŋ 4 ȸʒ ǦǒÀŧǯǒă

Ȁǯȭǚ ǼȪȦȫ ȷȤȮɅ ɟ ǛǦǪǣȦǭ ǦǛǪȭ Б ǚ ◦ȳ 1000 ǦDZǿǼǣ ȟ 1.0 ǼȠȀɫ :**Loss on ignition** (ȰɆȞȊǪȫ) ǼɆȠȀǪȫȦǣ ǼȪȦȫ

.ȟ/ȠŸȠ 65 ȡȠ

ø ø ø ø ø

ƕĭϒϸɯǁɛ üʄǀ ʅŬɛ üɯŬ ʅ ɛσʠǋϸʓǵ

MONOGRAPHS FOR DOSAGE FORMS

Oral rehydration salts [illegible]

Sales perorales ad rehydratationem

Oral Rehydration Salts (ORS) [illegible]

[illegible] (ORS) [illegible] **:Composition** [illegible]

[illegible]:

[illegible] 3.5	NaCl	[illegible]
[illegible] 2.9	$C_6H_5Na_3O_7,2H_2O$	[illegible]
[illegible] 1.5	KCl	[illegible]
[illegible] 20.0	$C_6H_{12}O_6$	[illegible]

[illegible].

[illegible] **:Description** [illegible].

[illegible] **:Category** [illegible].

[illegible] **:Storage** [illegible].

[illegible] **:Labelling** [illegible] (1) [illegible] (2) [illegible] (3) [illegible] 24 [illegible] (4) [illegible].

[illegible] **:Additional information** [illegible] 2.5 [illegible] $NaHNO_3$ [illegible] 22.0 [illegible] $C_6H_{12}O_6,H_2O$ [illegible].

[illegible] (ORS-citrate) ORS [illegible] (ORS-hydrogen ORS [illegible] ("carbonate [illegible] (bicarbonate [illegible]).

[illegible].

REQUIREMENTS [illegible]

[illegible] "(ORS-citrate) ORS [illegible]

[illegible]

Na^+ [illegible] %110.0 [illegible] %90.0 [illegible] $C_6H_5O_7^{3-}$ [illegible] Cl^- [illegible] K^+ [illegible] %90.0 [illegible] %110.0 [illegible] $C_6H_{12}O_6$ [illegible]

Identity testes [illegible]

A: [illegible] ([illegible]) [illegible]

[illegible] 250 [illegible] B, C, D, F.

B: [illegible] A [illegible] General identification [illegible] "tests [illegible] 123 [illegible]).

C: [illegible] 5 [illegible] A [illegible] 4 [illegible] (100/[illegible]) TS [illegible]

- ([illegible]).

D: [illegible] (5 [illegible]) [illegible] A [illegible] "General identification tests [illegible] 121 [illegible]).

E: [illegible] (5 [illegible]) [illegible] A [illegible] "General identification tests [illegible] 121 [illegible]).

F: [illegible] 5 [illegible] Potassio- Cupric [illegible] TS tartarate [illegible] (glucose [illegible]).

Uniformity of mass [illegible]: ([illegible] 68 [illegible]). [illegible] 20 [illegible]

[illegible] %5 [illegible] %10.

Loss on drying [illegible]: [illegible] 50 [illegible] 20 [illegible]/[illegible].

pH value [illegible]: [illegible] 7.0-8.8.

gzǴ3 ǴȄŧõ ƵȮǨ ß ǟǽǚş .gǼǵǟş gzǴ3 ȡŋ gǽzǹǘŋ ğǞǼŧõ ɂǓ3 ğǞÊǞǞÕţǟ ɃǞθ :ǴŢǵɎŋ :**Assay** ǴÊǞǞÕţǟ

.gǼǵǟş ǴȲȄ8Îǩ ȡŋ ǟzõzǓ8ǟǟş ğǟǞǪȄÊǟǟ ǴÊǞǞÕţ ɁǞǹǛ gzǴ3 ǾǹǘǨ Ûğ ǞÊǞǞÕţǟ Õõ ǒǟǞǅzզ gǼǵǟş

ÛORS ȡŋ ȟ 8 ǴǟǟǞę ā ǟǾǞ .ğǟǼǞǿzǓȮǟǟş ӯzȄèǞǩzǴǟǟş ӯzǞåzÔǟǟ ǴÊǞǞÕţ (A ȯzǓǂǟ =) ƃǞǪǟǟ ȯzǓǂǟ ǞȒʒ

.Ȫŋ 500 ʓǞǪզ ǒǞţǟ ȡŋ ǴȄzǞõ ǴȄŧõ Ž ÛǴȄüzǴȒŋ Ǵǫşǟzŋ

flame ɄǿǴȚǓǟǟ ɄǝzȒǟǟ âǞȄȪǒǞǽ ƙǨǞş ǒǞţǞǽ Ȫŋ 500 ƃǛ A ȯzǓǂǟ ȡŋ Ȫŋ 3 ƵǞƩ :**Sodium** ӯzǞåzÔǟǟ

ǴǟǟǽǗǽ ǞȒȚ ɃǿǞȄȟŋ ȯzǓȚ ӯǼǺǪÊǞ .ǞǪŋzǫǞǫ 589 ǴǅzƺŋȯzǜǼǞ3 (41 ǴǶǞÔǟǟ Û4 ǼǓȪǟ ǞȚǫǟ) photometry

ȡŋ ŋǓŋ 0.2) NaCl ȡŋ ŋǓŋ 508.4 ɁzǪȚ ƃǛ ǒǞţǞǽ Ȫŋ 1000 Ž ÛǴǪǟǞǫ ǴȲǪõ ƃǛ ǞȲǴę ƵǞf ÛR ӯzǞåzÔǟǟ ǼǞǿzǓõ

.(ǞǪǒ ɄȲȄţǟ Ž Na^+

ȡŋ ȟ 0.2345ş ȟ 0.3934 üzǞȮǞ ӯzǞåzÔǟǟ ɄǫɎǫ ğǟǞǪȄè ğǟǿǼȄȽ ɄǝǞǪş ӯzǞåzÔǟǟ ǼǞǿzǓõ ȡŋ ȟ 1 Ȫõ

.ƃǟzǪǟǟ ɂǓ3 ÛNa^+

ǼǓȪǟ ǞȚǫǟ) ɄǿǴȚǓǟǟ ɄǝzȒǟǟ âǞȄȪǒǞǽ ƙǨǞş ǒǞţǞǽ Ȫŋ 500 ƃǛ A ȯzǓǂǞǽ Ȫŋ 3 ƵǞƩ :**Potassium** ӯzȄèǞǩzǴǟǟ

ǞȲǴę ƵǞȪǟ ÛӯzȄèǞǩzǴǟǟ ǼǞǿzǓõ ǴǟǟǽǗǽ ǞȒǂǟ ɃǿǞȄȟţǟ ȯzǓǂǟ ӯǼǺǪÊǞ .ǞǪŋzǫǞǫ 767 ǴǅzƺŋȯzǜǼǞ3 (41 ǴǶǞÔǟǟ Û4

.(ǞǪǒ ɄȲȄţǟ Ž K^+ ȡŋ ŋǓŋ 0.1) KCl ȡŋ ŋǓŋ 190.6 ɁzǪȚ ƃǛ ǒǞţǟ ȡŋ Ȫŋ 1000 Ž ÛǴǪǟǞǫ ǴȲǪõ ƃǛ

.K^+ ӯzȄèǞǩzǴǟǟ ȡŋ ȟ 0.5245 üzǞȮǞ ӯzȄèǞǩzǴǟǟ ǼǞǿzǓõ ȡŋ ȟ 1 Ȫõ

ğǞŋşǞõ ӯǟǼǺǪèǞǽ ÛVS (ȯ/ȯzŋ 0.1) ǴȒǞǟǟ ğǟǞǪǞǽ A ȯzǓǂǟ ȡŋ Ȫŋ 50 ǞǞǨǞ :**Chlorides** ğǟǼǞǿzǓȮǟǟ

.ǞǨÎŧõ TS (ȯ/ȟ100) ӯzȄèǞǩzǴǟǟ

.Cl^- ŋǓŋ 3.545 üzǞȮǞ VS (ȯ/ȯzŋ 0.1) ǴȒǞǟǟ ğǟǞǪǫ ȡŋ Ȫŋ 1 Ȫõ

.ƃǟzǪǟǟ ɂǓ3 ÛCl^- ȡŋ ȟ0.4756ş ȟ0.6066 üzǞȮǞ ӯzȄèǞǩzǴǟǟ ǼǞǿzǓõş ӯzǞåzÔǟǟ ǼǞǿzǓõ ȡŋ ȟ 1 Ȫõ

ÛR1 ɄǅzǓǯǟǟ ȪȄǪȄèɉǟ Ȓƥ ȡŋ Ȫŋ 80 Ž ÛǴȄüzǴȒŋ Ǵǫşǟzŋ ÛORS ȡŋ ȟ 2.8 ǴǟǟǞę ǞǯǨǴǞ :**Citrates** ğǟǞǪȄÊǟǟ

.ȨǝǞęá 10 gǼŋ ǞȪǪÊȄǒ ȭǞǪǞş ÛR1 ɄǅzǓǯǟǟ ȪȄǪȄèɉǟ ȒŧШ Ȫŋ 100 ƃǛ ƵǞƩ ÛáǟȞǞ ÛǴȄǴǞǞȪǨ ◦ӯ 50 ǴǅzǿǼǒǞǽ ȡǺÊǞ

(1-naphtholbenzein/acetic ȪȄǪȄèɉǟ Ȓƥ/ƙǞǞǿǞǽ ȯzǯǞǫ-1 ȡŋ Ȫŋ 0.25 8ǞȒǞ ŽǞÛǟǟ ȮǝǞÊǟǟ ȡŋ Ȫŋ 20 ƃǛ

ɄǝǞŋɎǟǟ Ȕèzǟǟ Ž gǞǞǨţǟ" ɉǟzǞ3 ǨƠ 8zòzŋ zȽ Ǟŧõ VS (ȯ/ȯzŋ 0.1) ȪǞǿzǓõƘǴǟǟ ȒŧШ ǞǞǨǞş TS acid)

.(142 ǴǶǞÔǟǟ Û1 ǼǓȪǟ) A ǴȪǞǞÛǟǟ "Non-aqueous titration

ğǟǞǪȄè ȡŋ ӯǟǞȡ 1 Ȫõ .$C_6H_5O_7^{3-}$ ȡŋ ŋǓŋ 6.303 üzǞȮǞ VS (ȯ/ȯzŋ 0.1) ȪǞǿzǓõƘǴǟǟ Ȓƥ ȡŋ Ȫŋ 1 Ȫõ

.$C_6H_5O_7^{3-}$ ȡŋ ȟ 0.6430 üzǞȮǞ ӯzǞåzÔǟǟ

ȡǿŋ Ȫŋ 0.2 8ǞȒǞ ǒǞţǟ ȡŋ Ȫŋ 40 Ž ÛǴȄüzǴȒŋ Ǵǫşǟzŋ ÛORS ȡŋ ȟ 7.5 ǴǟǟǞę āǟǾǞ :**Glucose** ǟzõzǓ8ǟǟ

ɃǞǿÔǴǟǟ ǞǞşǼǪǟǟ" ƙǨǞ .ǴȪȄęá 30 gǼŋ ǞȪǪÊȄǒ ȭǞǪǞş ʓǞƨ .ǒǞţǟ ȡŋ Ȫŋ 50 ǿǽ ƵǞƩş ÛTS (ȯ/ȟ100~) ǞȄǫzŋɉǟ

[illegible] (32 [illegible] 1 [illegible]) "Optical rotation [illegible] 0.9477.

٥٥٥٥٥

Capsules [illegible]

Ampicillini capsulae

Ampicillin capsules [illegible]

Category [illegible]:

Storage [illegible]: [illegible] 25 °[illegible].

Labelling [illegible]: [illegible].

Additional information [illegible]: [illegible] WHO [illegible] 250 [illegible] 500 [illegible].

REQUIREMENTS [illegible]

[illegible] "*Capsules*" [illegible] (51 [illegible] 4 [illegible]).

[illegible] %90.0 [illegible] %110.0 [illegible] $C_{16}H_{19}N_{3}O_{4}S$ [illegible].

Identity testes [illegible]

- [illegible] A [illegible] B [illegible] C.

A: [illegible] "Thin-layer chromatography [illegible]" (84 [illegible] 1 [illegible]) R1 [illegible] 65 [illegible] R 10 [illegible] 10 [illegible] R 2.5 [illegible] R [illegible] (A) [illegible] 50 [illegible] 2 [illegible] 10 [illegible] 4 [illegible] R [illegible] (0.1 [illegible] 25 [illegible] (B) [illegible] RS [illegible] 5 [illegible] VS [illegible]

ǒȀţǟş *A* ȯzŸǂǟ ǑDZǰ TS ǬǶǑǤǝÂǒǟ ǬǺǿzŸǒ/ȯşäǟÆǶɀqǟ ȸɳ Ǒɳ 10ş ǒȀţǟ ȸɳ Ǒɳ 2 ȸɳ ǰ ǺÂɳ ʡŸȝ Ƀzǫơ ǢǺǾɳ
.*B* ȯzŸǂǟ ǑDZǰ

ȝɳ ǦǾǿȀǑţȀǽ *B* ȯzŸǂǟş *A* ȯzŸǂǟ ƙǽ ȋ ȀȶǪǟ ȧÂz ȸɳ Ǧòzǂ ȀţǤ ǥ ǟ Ž $C_{16}H_{19}N_3O_4S$ ǦȶõǢÊơ
reference solution ȗĤDZ ȀţǤ ȯzŸǂǟ ȋ Ȁǫ ȷzȮǺ ȴǝŸɳ zǗ ʡŸȝ ȀǺȀĤɳ Ȗǝzȓ ǽ ǫȕ ȃ ȀǑɳ Ž .RS ƙŸǶÊǧǰǟ
.0.02 ± 0.29

ØØØØØ

Cloxacillini natrici capsulae

Cloxacillin sodium capsutes DžǏǂǏ ƨ Ƒ ƨ lNjǂ l lƐ !NjǏqNj T lǗNj ƨ Ǵ l

.ȴǶǟÀ ƨǟ ǻ ȀȒɳ ǒǟşǻ :**Category** ǦȀÀǒǟ

ǦDZǿÆǽ ȷÂơ ȷǗş ǕŸȀȮǵǜǽ ǦǑŸ8ɳ ǦǺşȀǵ Ž ƙŸǶèȀÊõzŸȮǒǟ ǭzǺǻzò ǧɍzÊǤõ ȘȀǵ Ǣƺ :**Storage** ȸǺÂǺǪǒǟ
.°ȳ 25 ǟşȀDzǪǩ ɍ ǥǿǟȀǵ

ȸɳ ùzȀȮţǟ ƘǦȞǪǽ ƙŸǶèȀÊõzŸȮǒǟ ǭzǺǻzò ǦȶõǢ ǦǺşȀΣǟ ʡŸȝ ƙǦǺ ȷǗ Ǣƺ :**Labelling** ȴǶèzǪǒǟ
.ǦǵŸÔǒǟ ǒȀŤǪǟ ǸǺǿȀǨ ƙǦǺ ȷǗş ǕƙŸǶèȀÊõzŸȮǒǟ

øǒ ùzȀȮţǟ :ǦǶèȀèǰǟ ǦǺşǻǪǒ ǦǶǒȀΣǟ WHO ǯǽȀƴ Ǧȶǝȩ Ž ǥzǑǒǟ :**Additional information** ǦǶzȀȓǗ ǧȀɳzŸĤɳ
.ƙŸǶèȀÊõzŸȮǒǟ ȸɳ ɳŸɳ 500

REQUIREMENTS ƘǦȞǪƱƘdž!ƒ

.(51 ǦȞȀÔǒǟ Ǖ4 ǢŸǑǟ) "*Capsules* ǧɍzÊǤȮǒǟ" ǑDZǰ ǥǻşÀzǰǟ Ȗǿ ǦŸǺ

$C_{19}H_{18}Cl\ N_3O_5S$ ǿǟǢǑɳ ȸɳ %110.0 ȸȝ ǢǺÂǺ ɍş %90.0 ȸȝ ǑǑǺ ɍ Ȁɳ ƙŸǶèȀÊõzŸȮǒǟ ǭzǺǻzò ǧɍzÊǤõ Ƀzǫơ
.ȴǶèzǪǒǟ ǦȩȀÔǒ Ž ƙǦţǟ

Identity testes ƕǏNjNJlƐ l ƐƥƑǦƗǪlƐ

• ǼǦÛǺ Ǥǟ ȁǟǿȀǦǪǹɍǟ DŞ A ȷǟǿȀǦǪǹɍǟ ǧǟǿȀǦǪǹɍǟ ş B CŞ DŞ.

A: ɃȀƺ ǿȀǦǪǹɍǟ ȀȶõƵ zŁ 8zòzɳ ǨǑ ȷǟzȀȝ "ȀȀǶȩ ǫȕǛǒǟ ǫzȒǒǟ Ž ǦǑÛǺɳ ǦĤȉǰǟ ǨǑ ǑǟȀȶΣǟ" "Spectrophotometry in the infrared region" (ǢŸǑǟ 1Ǖ ǦȞȀÔǒǟ 43). ǫȕǛǒǟ ǫzǵǿzǪǺǟ ȋȀÔǫɳǟ ǨǑ ǑǟȀȶΣǟ
ȝɳ ǫȕǛǒǟ ǬǺǿǦȮǒǟ ǭzǺǻzò ƙŸǶèȀÊõzŸȮǒǟ RS şǗ ȝɳ ǫȕǛǒǟ ȗĤDZȀţǟ ǭzǺǻzÔǒ ƙŸǶèȀÊõzŸȮǒǟ.

B: ɃȀƺ ǿȀǦǪǹɍǟ ȀȶõƵ zŁ 8zòzɳ ǨǑ ȷǟzȀȝ "ǟǟȀȋǪèǟ ǦǑǦÛǒǟ ǦǑǶȩÀǒǟ" "Thin-layer chromatography

[illegible] 30 [illegible] R3 [illegible] (84 [illegible] 1 [illegible])
[illegible] 5.0 [illegible] R [illegible] 154 [illegible] 70 R [illegible]
[illegible] 1 [illegible] R [illegible]
[illegible] 50 [illegible] 0.25 [illegible] (A)
[illegible] 5 [illegible] RS [illegible] 25 [illegible] (B) [illegible]
[illegible] RS [illegible] RS [illegible] 25 [illegible] (C) [illegible]
[illegible] 5 [illegible] RS [illegible]
[illegible] R [illegible]
[illegible] B [illegible] A [illegible]
[illegible] C [illegible]

[illegible] 2 [illegible] C
[illegible] TS (~1760 [illegible]) [illegible] 2 R [illegible] 2 [illegible]
[illegible] 4-3 [illegible] 150 [illegible]

[illegible] 20 [illegible] D
[illegible] B [illegible] TS (~60 [illegible]) [illegible]
.(123 [illegible] 1 [illegible]) [illegible] "General identification tests

[illegible] :Specific optical rotation [illegible]
[illegible] 10 [illegible]
$[\alpha]_D^{20°C} = +163 \text{ to } +172°$

[illegible] :Water [illegible]
[illegible] (145 [illegible] 1 [illegible]) A [illegible] "Determination of water by the Karl Fischer mothod
[illegible] 50 [illegible] 0.25 [illegible]

[illegible] 0.10 [illegible] :pH value [illegible]
.7.0-5.0 [illegible] R [illegible]

[illegible] 0.25 [illegible] 20 [illegible] :Assay [illegible]
[illegible] 15 [illegible] 70 [illegible]
[illegible] 100 [illegible] 10 [illegible] 500 [illegible]

[illegible] 10 [illegible] 2.0 [illegible] 25 [illegible] 60 [illegible] TS [illegible]

.(B [illegible]) [illegible] 10 [illegible] .(A [illegible]) [illegible] 20 [illegible]

[illegible] 343 [illegible] 1 [illegible] A [illegible] TS [illegible] 10 [illegible] 2.0 [illegible] .B [illegible]

[illegible] B [illegible] A [illegible] $C_{19}H_{18}ClN_3O_5S$ [illegible] *reference solution* [illegible] .RS [illegible] .0.02 ± 0.4 [illegible]

ØØØØØ

Tablets [illegible]

Acidi acetylsalicylici compressi

Acetylsalicylic acid tablets [illegible]

[illegible] :**Category** [illegible]

[illegible] :**Storage** [illegible]

500-100 :[illegible] WHO [illegible] :**Additional information** [illegible]

REQUIREMENTS [illegible]

.(45 [illegible] 4 [illegible]) "Tablets [illegible]" [illegible]

$C_9H_8O_4$ [illegible] %105.0 [illegible] %95.0 [illegible]

Identity testes [illegible]

[illegible] 10 [illegible] :A

TS (ó/ħ25) [illegible]

.ɄDzÊÀÀæ ȷ ɀǒ ǰǪÀÀ ɍ

ǒÀȒÆæ øÀǪǹǟ ǦɄÆÀǒ ɁŸȝ ȬÆŸÆÊÆǒÀȅ ǑÆǪÆȅ ɉǟ Ȑ ƥ ȡȠ ȠŸȠ 10 ǜɀÀǑǩ ǦȩɀɄÊȶǟ ȋ ǟÀȩ ɉǟ ȡȠ ǦÆȶȭ ȝȑɀǩ :B
ȯɀǫÀǯÀɋǟ/ȳɀÆȅÀǩɀǦǒǟ ǼÆÊȭȿøǼÆȽ ȡȠ ǥǼǵǟȿ ǥÀÛȩ ȢÀȒÀȿ ÛǒÀȒÆæ ǦÆÀŸǹ ɁŸȝ ȶɀȑɀȠ ǦȝÀȅ ǯÀDZǟ ɁŸȝ ȿǕ ÛǦǦȅÀÀȠ
.ɄDzÊÀÀæ ȷ ɀǒ ǰǪÀÀ ÜTS (ȯ/ȟ25) ȬÀǨÀǒǟ ǼÀøɀŸȭ ȡȠ ǥÀÛȩ ȢÀȒǩ ǥǼǵǟȿ ǦȬÆȩǻ ǼȞæ .TS1

ǑÆǪÆȅ ɉǟ Ȑ ƥ ȡȠ ȟ 0.2 ǜɀÀǑǩ ǦȩɀɄÊȶǟ ȋ ǟÀȩ ɉǟ ȡȠ ǦÆȶȭ ƂǓ :**Salicylic acid** ȬÆŸÆÊÆǒÀÊǒǟ Ȑ ƥ
ȼǪDZøǻ ǟȿÀDZǪǩ ɍ) ǻøÀǦǒǟ ǒÀȶÀæ ȬȠ 100 ƂǓ ȥÀƩ .ȸÀÀȿ TS (ȯ/ȟ750~) ȯɀǫÀǯÀɋǟ ȡȠ ȬȠ 4 ȢÀȒÀ ȬÆŸÆÊÆǒÀȅ
TS1 ȬÀǨÀǒǟ ȳɀÆǫɀȠǕ ǧÀÀŸȅ ȡȠ ȬȠ 1 ȢÀȒÀ ÛǦǫøÀȬȠ ǟɀǦǫǕ ƂǓ ǦǵÀȉÀǒǟ ȡȠ ȬȠ 50 ȬȬÀÀ .ǥÀȉÀǦȠ Ǵȋ̈ÀÀȿ (°ȳ 10
ÀȒȚ ȯɀŸȚ ȡȠ ȬȠ 3 ȝȑɀÀ ÛǦÆǜɀǦȒȠȿ ȬȎÀÀȠ ɀǕ ɁŸȝ .ǥǼǵǟȿ ǦȬÆȩǻ ǥǼȠ ÀȬǪÊÆǒ ȭÀǪÀȿ ÛǯÀƩ ÛȒDZǟÀǜ ǥÀȒ ɉǟ
ȯɀǫÀǯÀɋǟ ȡȠ ȬȠ 2 ȢÀȒÀ ÛȷÀǫ ǦǫøÀȬȠ ǟɀǦǫǕ Ž ÀǪǒ ɄŸÆȶǟ Ž ȠŸȠ 0.1 ɁŸȝ ɃɀǪȝ R ȬÆŸÆÊǒÀÊǒǟ ȐȶƩ ȒDZǟÀǜ
.ȬȠ 50 ǯÀǪǫ ǒÀȶǟ ȡȠ ǦÆɀÀȭ ǦÆȶȭȿ ȒDZǟÀǜ ǥÀȒ ɉǟ TS1 ȬÀǨÀǒǟ ȳɀÆǫɀȠǕ ǧÀÀŸȅ ȡȠ ȬȠ 1ȿ TS (ȯ/ȟ750~)
.(%0.3) Ʉøǫ̇ÀǯǒǟǓ ǟɀǦǫ ɉǟ Ž ǰǩÀÀǒǟ Ȭǒǽ ȡȠ ǥǼȉ ÀǯȭǕ ȯȿ ɉǟ ǟɀǦǫ ɉǟ Ž ǰǪÀÀ ɄDzÊÀÀæ ȷ ɀǒ ɃǕ ȷɀǑÀ ɍ

ÛȬÆŸÆÊǒÀȅ ǑÆǪÆȅ ɉǟ Ȑ ƥ ȡȠ ȟ 0.5 ǜɀÀǑǩ ȧɀɄÊȶǟ ȡȠ ǦÆȶȭ ƂǓ .ȀǒÀȩ 20 ȨɄÊÀȿ ȷǟɀÀ :**Assay** ǦÊÀÀǑȶǟ
ȤÛŸæ ɁŸÀȿ ÛVS (ȯ/ȯɀȠ 0.5) ǧÀǫɀæÀǑǒǟ ȡȠ ƂÀȴǟ ȳɀÀǻɀÔǒǟ ǼÆÊȭȿøǼÆȽ ȡȠ ȬȠ 30 ȢÀȒÀ ÛǦÆǜɀǦȒȠ ǦǫȿǟɀȠ
ȯɀǫÀǯÀɋǟ/ȯɀÆǼÀǒǟ ǥÀƥ ȳǟǼǺǪȅÀæ ÛVS (ȯ/ȯɀȠ 0.5) ȬÀøɀŸȭȿøǼÆȚǟ ȐȶȚ ɃɀŸǒǟ ǼÀǟ ǻǟǼƒ ÀÀȞÀ .ȨǝÀȩǻ 10 ǥǼȠ
.ǦÀøȿÀȑ ǧÀɄÆɄǑǩ ǦǕ ɁÀɵȿ ǦǒɀɄÀȶǟ ǦȩɀɄÊȶǟ ȋ ǟÀȩ ɉǟ ȷȿǻ ǒǟÀDZǫǟ ǻÀȞÀ .ÀȞȊȶȭ TS
.$C_9H_8O_4$ ȡȠ ȠŸȠ 45.04 ǜɀÀǑÀ VS (ȯ/ȯɀȠ 0.5) ǧÀǫɀæÀǑǒǟ ȡȠ ƂÀȴǟ ȳɀÀǻɀÔǒǟ ǼÆÊȭȿøǼÆȽ ȡȠ ȬȠ 1 Ȭȭ

øøøøø

Atropini sulfatis compressi

Atropine sulfate tablets DžȋǦǸƥȾǓɛ ȴǇȡɁȥ ȶ ɛƥɁɕ

.ǰÀȊǩ ǻÀȒȠ ǒǟȿǻ :**Category** ǦÀÀǒǟ

.ȠŸȠ 1 :ǦÆȅÀȅ ɉǟ ǦÀȿǻǪǒ ǦÆǒÀƩǟ WHO ǯǽÀȳ ǦȶǝÀȩ Ž ǥɀǑǒǟ :**Additional information** ǦÆɀÀȑǕ ǧÀȠɀŸȞȠ

REQUIREMENTS ƘǦȟǗƱǨǆž!ƒ

.(45 ǦɄÀÔǒǟ Û4 ǼŸǑǟ) "Tablets ȋ ǟÀȩ ɉǟ" ǑDZɉ ǥǻȿÀɀɉǟ ɄøǦ̇ŸÀ

($(C_{17}H_{23}NO_3)_2,H_2SO_4,H_2O$ øǟǼȬȠ ȡȠ %110.0 ȡȝ ǼÀÀÀ ɍȿ %90.0 ȡȝ ȬȬÀ ɍÀȠ ƘǝȿÀǩ ɉǟ ǧÀÀŸȅ ȋ ǟÀȩǕ ɃɀǪƠ
.ǈÆȅɀǪǒǟ ǦȩÀÔǒ Ž ƘǦȶǟ

"Thin-layer chromatography [illegible] :A

[illegible] R [illegible] 5 [illegible] R1 [illegible] (84 [illegible] 1 [illegible]) [illegible] 5 [illegible] R [illegible] R [illegible] 2 [illegible] 10 [illegible] (A) [illegible] RS [illegible] 25 [illegible] (B) [illegible] TS (ὀ/ȟ750~) [illegible] °ÿ 105 [illegible] TS (ὀ/ȟ750~) [illegible] 5 [illegible] TS2 [illegible] 20

B [illegible] A [illegible] 1 [illegible] :B

[illegible] R [illegible] 2 [illegible] TS (ὀ/ȟ260~) [illegible] R [illegible] 0.2 [illegible] TS [illegible] 0.2 [illegible] R [illegible] 2 [illegible]

[illegible] :C

(123 [illegible] 1 [illegible]) [illegible] "General identification tests

Assay [illegible] 20 [illegible] 2.5 [illegible] 30 [illegible] 50 [illegible] RS [illegible] 25 [illegible] *reference solution* [illegible] 5 [illegible] 25 [illegible] 120 [illegible] 2 [illegible] 50=) [illegible] 100 [illegible] 10 [illegible] 60 [illegible] *reference solution* [illegible] TS1 [illegible] 2 [illegible] R [illegible]

[illegible] *reference solution* [illegible] R [illegible] 420 [illegible]

Û*1.027 (M/10)(A_u/A_s)*:ǴĔōǾǬöä Ǧ8ĔÔöä ÿäǼÁǬèǺæ Ǧòζ꞉ǺʈäǴǼĔȞöä Ž $(C_{17}H_{23}NO_3)_2,H_2SO_4,H_2O$ ȡŋ ɁζǬǂä ǼÊƷ
A_sŞ A_uŞ *reference solution* ɄȞDZǺʈä òζŸǂä Ž ÿäǺȡ ɄŸĔʈǺæ gøǼŌŋ RS ƙæşǺǩǰä ğǺǺŸè ǴŸǬõ Ƃǚ *M* ǺȢĔζ ƘÎǩş
.ƂäζǬöä ɁŸɜ Û*reference solution* ɄȞDZǺʈä òζŸǂäş øǺǴǬǹɍä òζŸȚ ȡŋ Ōõ îǺǬ Ƃǚ

ǻşÂŋ ǺȢǺŋ Ōõ øǺǴǬǹä ǼĔæǺǬǚ 10 Ƃǚ Ǧęζ꞉Êŋ îäǺęǚ ǺǺǻǺζ ŌŌǺǩ :**Uniformity of content** ɁζǬǂä ǴǺǻζǵζŋ
òζŸǂä ÿǼÁǬÊǺş ÛŌǺʒǺ ÛǦŌĔęǻ 30 gǼŋ ǺŸŋǺõ ǥǺǩ ÛǦĔùζǴȒŋ ǦÊĔŌŋ ÛöǺʈä ȡŋ Ōŋ 6 ǺȢǺŋ Ōõ Ƃǚ ȣǺȒǺ ÛgǻäǼÊæ
ƙæşǺǩǰä ğǺǺŸè ȡŋ ŊŸŋ 25 ǴĔùζǴȒŋ ȷäζǺ *reference solution* ɄȞDZǺʈä òζŸǂä ŌDZǰ .øǺǴǬǹä òζŸ꞉ʈõ ŽǺÔöä
5 ȤǺƩ .ǺǼĔDZ ȝÂɕş ÛŌŋ 25 ȝǺǬǫɋ öǺʈä ȡŋ ǴĔζǺõ ǴĔʈõ Ž āäØǩ Û◦ÿ 120 ǦDZøǼöǺæ ǴǬæǺǬ ǴŸǬõ Ƃǚ ǺŸǴę ǴǺǺǑä ÛRS
Ōõ ȡŋ Ōŋ 2 ŌŌǺǺ .(ǺǬö ɄŸĔʈä Ž ǴĔəǺŋŸöä ƙæşǺǩǰä ğǺǺŸè ÿäǺȡşǺǑŋ 50=) öǺʈæ Ōŋ 100 Ƃǚ òζŸǂä äØȽ ȡŋ Ōŋ
ɃζǬƷş Ōŋ 60 ǺȢǺŋ Ōõ ǴȞè ŌÔζ ʈǺʇęǚ Ƃǚ *reference solution* ɄȞDZǺʈä òζŸǂä ȡŋş Ǧòζ꞉Ǻʈä ŌĔöǺǂä ȡŋ òζŸȚ
ǺŌǬÊǬö ōǺǬǩş ÛƙǬŌĔęǻ gǼŋ ǥǺǺş ÛTS1 òşǺǺǺōζŋşƎöä gǺȒǹ ȡŋ Ōŋ 2 ȣǺȒǺ .R ÿøζζşøζŸǑöä ȡŋ Ōŋ 10 ɁŸɜ
.ȷǺǬŌǴù ŌǑÎǬǩ ɁøǬǵ

ǼǺɜ ɄʈȚɜǰä ǼΣä Ž *reference solution* ɄȞDZǺʈä òζŸǂäş Ǧòζ꞉Ǻʈä ŌĔöǺǂä Ž ÿøζζøζŸǑöä ğǺŌǴù îǺǬ āǺŌǺ
ȡŋ ɁζǬǂä ǼÊƷ .R ÿøζζşøζŸǑöä ɁŸɜ ɃζǬƠ ǼǺØŋ gƘDZǵ ŌäǺŌŋ ǺǴǺǺŌǩ ǺǬŋζǬǺǬ 420 ǦDZζŋ òζù
M ǺȢĔζ ƘÎǩş Û*1.027 (M/10)(A_u/A_s)* :ǴĔōǾǬöä Ǧ8ĔÔöä ÿäǼÁǬèǺæ Ǧòζ꞉ǺʈäǴǼĔȞöä Ž $(C_{17}H_{23}NO_3)_2,H_2SO_4,H_2O$
Ōõ îǺǬ Ƃǚ A_sŞ A_uŞ *reference solution* ɄȞDZǺʈä òζŸǂä Ž ÿäǺȡ ɄŸĔʈǺæ gøǼŌŋ RS ƙæşǺǩǰä ğǺǺŸè ǴŸǬõ Ƃǚ
.ƂäζǬöä ɁŸɜ Û*reference solution* ɄȞDZǺʈä òζŸǂäş øǺǴǬǹɍä òζŸȚ ȡŋ

Uniformity of content for ǴɜǺɘä gǼĔǵş ğäǺȒ꞉ǬÊʈä ŌDZǰ ɁζǬǂä ǴǺǻζǵζŋ" ŌDZǰ øǺǴǬǹɍä îäǺęǰä ɄøǴŸǩ
.(67 Ǵ꞉ǺÔöä Û4 ǼŸǑä ǺȚǬä) "single dose preparations

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Chloroquini phosphatis compress

Chloroquine phosphate tables DžĭǀNjɓNjǂǁǁ ǀƑƻƨNjƺ ƫ Ɛɓɜƈ

.ǺǺøŸʈä ǻǺȒŋ öäşǻ ÛǦĔŋǰä ǻǺȒŋ öäşǻ :**Category** öäşǼöä

ÛŊŸŋ 100 :ǴĔèǺèǰä ǴǺşǻǬǬ ǴĔöǺΣä WHO ȝæǺɣ Ǵʇəǰę Ž gζŌöä :**Additional information** ǴĔζǺɽǚ ğǺŋζŸȞŋ
.ŊŸŋ 150

.(45 Ǵ꞉ǺÔöä Û 4 ǼŸǑä) "tablets îäǺęǰä" ŌDZǰ gǻşǺζǰä ɄøǴŸǩ :**Requirements** ğǺǴŸÛǬʈä

$C_{18}H_{26}ClN_3,2H_3PO_4$ øäǼŌŋ ȡŋ %107.0 ȡɜ ǼǺǺǺ ɍş %93.0 ȡɜ ŌŌǺ ɍ Ǻŋ ƙōøζŸǑöä ğǺǺèζζ îäǺęǚ ɃζǬƠ

[illegible].

Identity tests [illegible]

A: [illegible] "Related substances [illegible]" [illegible] A [illegible] D.

B: [illegible] 5 [illegible] 1 [illegible] TS (40 [illegible]) [illegible] 1 [illegible] TS (~130 [illegible]) [illegible] TS (~100 [illegible]) [illegible].

Related substances [illegible] "Thin-layer chromatography [illegible] 84 [illegible] 1) [illegible] R2 [illegible] 5 [illegible] R [illegible] 4 R [illegible] R [illegible] R [illegible].

[illegible] 2 [illegible] (A) [illegible] 5 [illegible] 0.5 [illegible] 50 [illegible] 30 [illegible] 100 [illegible] A [illegible] 5 [illegible] (B) [illegible] glass-fiber paper [illegible] 8 [illegible] (D) [illegible] 50 [illegible] B [illegible] 25 [illegible] (C) [illegible] 1 [illegible] RS [illegible] (254 [illegible]).

[illegible] B [illegible] A [illegible] C.

Assay [illegible] 20 [illegible] 0.5 [illegible] VS (1 [illegible]) [illegible] 20 [illegible] glass-fiber paper [illegible] R [illegible] 25 [illegible] 40 [illegible] 10 [illegible] R [illegible] VS (0.1 [illegible]) [illegible] R1 [illegible] "Non-aqueous titration [illegible]" (142 [illegible] 1).

[illegible] 1 [illegible] VS (0.1 [illegible]) [illegible] 25.79 [illegible] $C_{18}H_{26}ClN_3,2H_3PO_4$.

Dissolution test [illegible] (5 [illegible] 4 [illegible]).

Chloroquini sulfatis compressi

Chloroquine sulfate tablets [illegible]

[illegible] **:Category** [illegible].

[illegible] **:Additional information** [illegible] WHO [illegible] :100 [illegible] 150 [illegible].

REQUIREMENTS [illegible]

[illegible] "tablets" [illegible] (45 [illegible] 4 [illegible]).

[illegible] %93.0 [illegible] %107.0 [illegible] $C_{18}H_{26}ClN_3,H_2SO_4$ [illegible].

Identity tests [illegible]

A: [illegible] "Related substances" [illegible] A [illegible] D.

B: [illegible] 0.1 [illegible] 10 [illegible] 1 [illegible] TS (~70) [illegible] 1 [illegible] TS (50) [illegible].

Related substances [illegible] "Thin-layer chromatography" [illegible] (84 [illegible] 1) [illegible] R2 [illegible] 5 [illegible] R 4 [illegible] R [illegible] R [illegible].

[illegible] 2 [illegible] (A) [illegible] 0.4 [illegible] 50 [illegible] 30 [illegible] glass-fiber paper [illegible] (B) 5 [illegible] A 100 [illegible] (C) 25 [illegible] B 50 [illegible] (D) 8 [illegible] RS 1 [illegible] (254 [illegible]).

ÛB ȯƺŸǂÀæ ǦŸÔĦǪÊƫä ÕŸǩ ȸƞ ǥÆȉ ÀǯõÜ ÛǦÊÆƏÀöä ǦǨÕǦöä ŏÀǨǯȅÀæ ÛA ȯƺŸǂÀæ ǦŸÔĦǪÊƞ ǦǨÕæ ǦÀÜ ȷƺÖǩ ɍ
.C ȯƺŸǂÀæ ǦŸÔĦǪÊƫä ǦǨÕǦöä ȸƞ ȩȉÜ ǦǨÕǦöä ÕŸǪõ ǥÆǵäş ȸƞ ÀǯõÜ ǨÊÆöş

Ûƙõşøƺ̊ŸÖöä ǧÀÀŸè ȸƞ ȟ0.5 ȕƺÀÖǩ ȧƺĦÊƫä ȸƞ ǦÆȶõ ÕÕÀǩ .ÀòÀę 20 ĘĦÊÀş ȷàƺÀ :**Assay** ǦÊÀÀÕƫä
Ʒæøüæ ȎŸǺǪÊÀş ÛVS (ȯ/ȯƺƞ 1) ȳƺÀǻƺÔöä ÆÆÊõşøÆÆȴ ȸƞ Ōƞ 20 ȣÀȒÀ ÛŌÔƺ Ʒȶę ƂÜ ÛǦÆȕƺǦȒƞ Ǧǫşàƺƞ
ŸǦę ȯƺÊȣƞ ǦȡǱÀǱà ȣÀÆöÜ ȧøş Ƕȝ ǦòŸȁ Ōõ ǴȉÀǩş .R ȳøƺƺşøƺ̊ŸÖöä ȸƞ Ōƞ 25 ÀȚÀƞ Ōõ ǧÀÆȶõ
40 ȣÀȒÀ ÛŌƞ 10 ǦææÀę ƂÜ ǦǨȶÖä ȳøƺƺşøƺ̊ŸÖöä ǧÀòŸȁ ÀǺǦǩ .ÆÀÓƫä Ž (ǦÀüø) ÀÀÆǫ ȘÀƷş R ȳøƺƺşøƺ̊ŸÖöÀæ
ȷäƺÀȝ ǨƠ ȣƺòƺƞ ƺȴ Àȶõ VS (ȯ/ȯƺƞ 0.1) ÕÀøƺ̊ŸõǨǦöä ȒȶШ ÀÀÀĦÀş ÛR1 ɄǱƺŸǯöä ÕÆǪÆȅȷä Ȓþ ȸƞ Ōƞ
.(142 ǦĦÀÔöä Û1 ÆŸÖä) ÛA ǦÕÀÛöä "Non-aqueous titration ɄəÀƞŸöä ÙȅƺöäŽ ǥÀÀĦƫä"
.$C_{18}H_{26}ClN_3,H_2PO_4$ ȸƞ ȠŸƞ 20.90 ȕƺÀÖÀ VS (ȯ/ȯƺƞ 0.1) ÕÀøƺ̊ŸõǨǦöä Ȓþ ȸƞ Ōƞ 1 Ōõ
.(5 ǦĦÀò ÛÆÆȚȶǪöä Û4 ÆŸÖä ÀȚǫä) :**Dissolution test** ȷÀæşØöä øÀǦǪȵä

øøøøø

Chlorphenamini hydrogenomaleatis compressi

Chlorphenamine hydrogen maleate tablets ǱǐǱǨǷǆǐǯþǊǂǀǁǀƐ ǱǐǐǊǉþǫǐǉ ǀǷǐǁǷǱǨ ƫ Ɛþǝǳ

.ƙƞäǨÆƺøƺ̊ŸÖöä ƙǱƺşøÆÆȴ ǧÀÆöÀƞ îäÀęÜ :**Other name** ÀȵÜ ǈȅä
.ǦÆǱøȷä ǻÀȒƞ :**Category** ǦÀÀöä
.ÀÆÆǱƺ ǦÕŸȣƞ ǦÀşǻǵ Ž ƙƞÀÆÆƺøƺ̊ŸÖöä ƙǱƺşøÆÆȴ ǧÀÆöÀƞ ȘÀǵ Æƶ :**Storage** ȸÀÂǺǪöä
.ȠŸƞ 4 :ǦÆȅÀȅȷä ǦÀşǻǪö ǦÆöÀΣä WHO ǯæÀ√ Ǧȶəǵę Ž ǥƺÕöä :**Additional information** ǦƶÀȓÜ ǧÀƞƺŸĦƞ

REQUIREMENTS ƘǦǊǁǓǨǆdž!ƒ

.(45 ǦĦÀÔöä Û4 ÆŸÖä) "tablets îäÀęȷä" ŌǱȷ ǥǻşÀƺȷä ɄøǦǩ
øöä øäÆÕƞ ȸƞ %110.0 ȸȝ ÆÀÂÀ ɍş %90 ȸȝ ŌÕÀ ɍ Àƞ ƙƞÀÆÆƺøƺ̊ŸÖöä ƙǱƺşøÆÆȴ ǧÀÆöÀƞ îäÀęÜ ɃƺǪƠ
.ǈÆȅƺǪöä ǦęÀÔö Ž ƙǦƫä $C_{16}H_{19}ClN_2,C_4H_4O_4$

Identity tests ǊǐǊǈǊǁǀƐ þǷǦǀǯǀƐ

• ĘǦÛÀ ȷäøÀǦǪȵɍä A ǊƂ şÜ ȷäøÀǦǪȵɍä B ǊƂ.
Ȓþ ȸƞ Ōƞ 20 Ʒƞ ƙƞÀÆÆƺøƺ̊ŸÖöä ƙǱƺşøÆÆȴ ǧÀÆöÀƞ ȸƞ ȠŸƞ 25 ȕƺÀÖǩ ǦęƺĦÊƫä îäÀęȷä ȸƞ ǦÆȶõ ȸĦÊȴ :A
ȸƞ Ōƞ 20 Ž RS ƙƞÀÆÆƺøƺ̊ŸÖöä ƙǱƺşøÆÆȴ ǧÀÆöÀƞ ȸƞ ȠŸƞ 25 ŸÔÀÀƞ ȁäøÀ .TS (ȯ/ȟ70~) ÕÀøƺ̊ŸõşøÆÆȚä

[illegible] (80~) [illegible] .TS (70~) [illegible] 50 [illegible] 11 [illegible] (43 [illegible] 1 [illegible]) "Spectrophotometry in the infrared region [illegible] .RS [illegible]

[illegible] "Related substances [illegible] :B [illegible] A [illegible] .B [illegible] A [illegible] .B [illegible] 20 [illegible] 40 [illegible] :C [illegible] R [illegible] 10 [illegible] 105 [illegible] 5 [illegible] 196 [illegible] melting behaviour [illegible]

[illegible] :**Related substances** [illegible] R2 [illegible] (84 [illegible] 1 [illegible]) "Thin-layer chromatography R [illegible] 5 [illegible] 30 [illegible] 105 [illegible] 2 [illegible] .TS (60~) [illegible] 5 [illegible] (A) [illegible] 1 [illegible] 5 [illegible] RS [illegible] 25 [illegible] (B) [illegible] .R [illegible] 50 [illegible] (C) [illegible] .R [illegible] .R [illegible] 1 [illegible] .R [illegible] 100 [illegible] C [illegible] 0.2 [illegible] (D) [illegible] (254) [illegible] .TS2 [illegible]

[illegible] .D [illegible] C [illegible]

[illegible] 3 [illegible] 20 [illegible] :**Assay** [illegible] 20 [illegible] 5 [illegible] VS (0.05) [illegible] 20 [illegible] 20 [illegible]

[illegible] vs (ò/òζη 0.05) [illegible] 10 [illegible] vs (ò/òζη 1) [illegible] .vs (ò/òζη 0.05) [illegible] 2 [illegible] .vs (ò/òζη 0.25) [illegible] 5 [illegible] 20 [illegible] 20 [illegible] 20 [illegible] 25 [illegible] 10 [illegible] vs (ò/òζη 0.25) [illegible] 50 [illegible].

[illegible] 265 [illegible] 1 [illegible] $C_{16}H_{19}ClN_2,C_4H_4O_4$ [illegible] 21.2 ($A^{1\%}_{1cm}$ =212) .

Uniformity of content [illegible] 10 [illegible] 10 [illegible] 20 [illegible] .vs (ò/òζη 0.05) 5 [illegible] 20 [illegible] 10 [illegible] vs (ò/òζη 0.05) [illegible] vs (ò/òζη 1) [illegible] .vs (ò/òζη 0.05) [illegible] 50 [illegible] 2 [illegible] 5 [illegible] 20 [illegible] 20 [illegible] 20 [illegible] vs (ò/òζη 0.25) [illegible] 50 [illegible] .vs (ò/òζη 0.25) [illegible] 1 [illegible] 25 [illegible] 10 [illegible] $C_{16}H_{19}ClN_2,C_4H_4O_4$ [illegible] 21.2 ($A^{1\%}_{1cm}$ =212) . [illegible] 265 [illegible] "Uniformity of content for single dose preparations" [illegible] 4 [illegible] 67).

ØØØØØ

Dapsoni compressi

Dapsone tablets [illegible]

Category [illegible]

Additional information [illegible] WHO [illegible] 50 [illegible]

[illegible] 100.
[illegible].

REQUIREMENTS [illegible]

[illegible] "tablets [illegible]" [illegible] 4 [illegible] 45).

[illegible] $C_{12}H_{12}N_2O_2S$ [illegible] %107.0 [illegible] %93.0 [illegible].

Identity tests [illegible]

- [illegible] A [illegible] B [illegible] B [illegible].

A: [illegible] 0.1 [illegible] 50 [illegible] R [illegible]. [illegible] 0.5 [illegible] 200 [illegible] R. [illegible] 230 [illegible] 350 [illegible] 260 [illegible] 295 [illegible] 1 [illegible] 0.36 [illegible] 0.6 [illegible].

B: [illegible] "Related substances [illegible]" [illegible] A [illegible] B.

C: [illegible] 0.05 [illegible] 5 [illegible] R [illegible] 105 °[illegible] 30 [illegible]. [illegible] 2 [illegible] (~70[illegible]) [illegible] TS [illegible] 4 [illegible] (10[illegible]) TS. [illegible] 2 [illegible] -2 TS1 [illegible] 1 [illegible] - [illegible].

[illegible] "[illegible]" [illegible] **Related substances**: [illegible] "Thin-layer chromatography" (1 [illegible] 84) [illegible] R1 [illegible] 8 [illegible] 4 [illegible] R [illegible] R [illegible] 1 [illegible]. [illegible] (A) [illegible] 10 [illegible] 10 [illegible] R [illegible]. (B) [illegible] 5 [illegible] RS [illegible] 5 [illegible] R. (C) [illegible] 0.1 [illegible] 10 [illegible] 10 [illegible] R [illegible]. (D) [illegible] 1 [illegible] 1 [illegible] 10 [illegible]. (E) [illegible] 1 [illegible] D [illegible] 5 [illegible] R. [illegible] C [illegible] 100 [illegible] R.

N-(1-naphthyl) … -1)-*N* … still damp … TS

… TS … ethylenediamine

… E

… 0.25 … 20 … **Assay**

… TS … 70~) … 15 … 15 …

0.1) … (143 … 1 …) "Nitrite titration …"

VS …

$C_{12}H_{12}N_2O_2S$ … 12.42 … VS … 0.1) … 1 …

ØØØØØ

Diethylcarbamazini dihydrogenocitratis compressi

Diethylcarbamazine dihydrogen citrate tablets

Category …

Storage …

Additional information … WHO … 50 …

REQUIREMENTS

(45 … 4 …) "tablets …"

%107.0 … %93.0 …

$C_{10}H_{21}N_3O,C_6H_8O_7$ …

Identity tests

- … B … A …

… 0.15 … A

… 5 … TS … 750~) … 15

[illegible] 10 [illegible] TS (~80) [illegible] 10 [illegible] Spectrophotometry in [illegible] (43 [illegible] 1) "the infrared region [illegible] RS [illegible]

10 [illegible] 0.2 [illegible] :B [illegible] TS (~400) [illegible] 1 [illegible] (C [illegible]) [illegible] 10 [illegible] 15 [illegible] 20 [illegible] 1 [illegible] 2 [illegible] 50 [illegible] 10 [illegible] 50 [illegible] 10 [illegible] 1 [illegible] 128-126 [illegible] 5 [illegible] TS [illegible] :C [illegible] 2 [illegible] TS (~100) [illegible] TS (10) [illegible]

[illegible] :*N*-Methylpiperazine [illegible]-*N* [illegible] R1 [illegible] (84 [illegible] 1) "Thin-layer chromatography [illegible] 3 TS (~750) [illegible] 6 [illegible] (A) [illegible] 5 [illegible] 10 [illegible] 0.5 [illegible] 100 [illegible]-*N* [illegible] 5 [illegible] (B) [illegible] 3 [illegible] TS (~60) [illegible] 100 [illegible] 97 TS (~60) [illegible]

[illegible] B [illegible]

.A

[illegible] 0.75 [illegible] 20 [illegible] :**Assay** [illegible] 10 [illegible] 10 [illegible] 25 [illegible] (~200) [illegible] 20 [illegible] (0.05) [illegible] 25 [illegible] TS [illegible] 10 [illegible] 15 [illegible] VS [illegible] TS [illegible] VS (0.1) [illegible]

.$C_{10}H_{21}N_3O,C_6H_8O_7$ [illegible] 39.14 [illegible] (0.05) [illegible] 1 [illegible]

[illegible]

Ergometini hydrogenomaleatis compressi

Ergometrine hydrogen maleate tablets [illegible]

[illegible] :**Category** [illegible]

[illegible] :**Storage** [illegible]

[illegible] :**Labelling** [illegible]

200 [illegible] WHO [illegible] :**Additional information** [illegible]

REQUIREMENTS [illegible]

(45 [illegible] 4 [illegible]) "tablets [illegible]"

[illegible] %110.0 [illegible] %90.0 [illegible]

$C_{19}H_{23}N_3O_2,C_4H_4O_4$ [illegible]

Identity tests [illegible]

[illegible] ."Related substances [illegible]" [illegible] :A

.E [illegible] A [illegible]

[illegible] 20 [illegible] 2 [illegible] :B

- [illegible] 4 [illegible] 2 [illegible] 20 [illegible] TS1 [illegible] -4.

[illegible] :**Related substances** [illegible]

[illegible] R1 [illegible] (84 [illegible] 1 [illegible]) "Thin-layer chromatography [illegible] R [illegible] 9 [illegible] VS [illegible] 0.1) [illegible] (A) [illegible] 5 [illegible] R [illegible] 0.2 [illegible] 1 [illegible] 2 [illegible] TS [illegible]10) [illegible] 0.6) [illegible] 20 [illegible] .R [illegible] 1 [illegible] (D) (C) (B) [illegible] R [illegible] 0.25 [illegible] 5 [illegible] 4 [illegible] 0.4 [illegible] 0.2 [illegible] 0.1 [illegible] R [illegible] (E) [illegible] .RS [illegible] 365) [illegible].

C B [illegible] A [illegible] %10 [illegible] .B [illegible] A [illegible]

[illegible] 2 [illegible] 20 [illegible] :**Assay** [illegible] 30 [illegible] TS [illegible] 10) [illegible] 50 [illegible] 0.040 [illegible] TS1 [illegible] -4 [illegible] 6 [illegible] 3 [illegible] 30 [illegible].

[illegible] 545 [illegible] 1 [illegible] 3 TS1 [illegible] –4 [illegible] 6 [illegible] 0.04 [illegible] $C_{19}H_{23}N_3O_2,C_4H_4O_4$ .RS [illegible]

[illegible] 10 [illegible] 10 [illegible] :**Uniformity of content** [illegible] 30 [illegible] TS [illegible]10) [illegible] 10 [illegible]

ŽǺÔöä ÖǝǺÊöä ȸȵ Ŏȵ 3 БǗ .ȸǺǺǬȵȥȡǿɋǟ ƙDZşǿǼȽ ğǺǼöǺȵ ȸȵ Ŏȵ/ȠŸȵ 0.040 ʔŸȝ ɃȥǬƷ ȯȥŸƮ ƺǺǬɋ ȴǝƔȵ 30 ǥǼȵ ǺÕǬÊǼö ǒǺǬǺş ÛǦȥǺ8öä ǥǿäǺǵ ǦDZǿǼǟ ǻƎǺ ÛƷǺȿ ÛTS1 ǼȽǼöǗÂøǺǟ ȥǼȵǗ ŎǼƷȵ ɄǝǺǺǬ -4 ȸȵ Ŏȵ 6 ȣǺȒǺ .ǦÕǼȩǻ

ǼǺǾȵ ǥƘDzǵ ŎǝǺÕȵ ǺǦǺǺÕǩ ǺǬȵȥɋǺɋ 545 ǦDZȥȵ ȯȥù ǼǺȝ ɄȶƬȝɉä ǼΣä Ž ȴè 1 ǦɋǺǺƷǟ ǦÕǦÛö îǺȶǬöä âǺÕǺ ǿäǼÕȵ ǼÊƷ .ǒǺȶä ȸȵ Ŏȵ 3ş TS1 ǼȽǼöǗÂøǺǟ ȥǼȵǗ ŎǼƷȵ ɄǝǺǺǬ-4 ȸȵ Ŏȵ 6 ȸȵ ǼȭǺȵ Ȥ ìǺȭ ǼȽǺì ʔŸȝ ɃȥǬƠ ƙDZşǿǼȽ ğǺǼöǺȵ ȸȵ Ŏȵ/ȠŸȵ 0.04 ʔŸȝ ɃȥǬƷ ȯȥŸƮ ȝȵ ǦɋǿǺÕȶǺǟ ǦòȥɄǺȶä ǦǺǼǨöä Ž $C_{19}H_{23}N_3O_2,C_4H_4O_4$ .RS ȸǺǺǬȵȥȡǿɋǟ

.(67 ǦɄǺÔöä Û4 ǼŸÕä) ."ǦȝǺƨä ǥǼǼǵş ğäǺȒɄǬÊȶä ŎDZɉ ȜȥǬǂä ǦǺǻȥǵȥȵ" øö ǿǺǦǬǹɍä îǺǺȩɉä Ʉø ǦŸǩ

ø ø ø ø ø

Glycerylis trinitratis compressi

Glyceryl trinitrate tablets üǐƥǐƨǐɫƸǁ lƐƥɫǳ Ǐƙűƙ ţ Ɛƥɒƈ

.ȸǺƘÊǼŸȡşǺǬǼǺöä îǺǺȩǗ :**Other name** ǺǹǗ ȴèä

.ǦɯǾöä ǻǺȒȵ :**Category** ǦǺǺöä

ɉȥȮǩ ɉǗ ŎȒǺǺş ÛƴǺÔǵǘǟ ǦÕŸ8ȵ ǦǺşǺǵ Ž ŎǺƘÊǼŸ8öä ğäǺǬɋ ɄǬƔǬ îǺǺȩǗ ȘǺǵ Ǽʑ :**Storage** ȸǺÂǺǬöä ǥǿäǺǵ ǦDZǿǼǟ ɉǺơ ɉǗş ÛöȥȒöä ȸȵ ǦǼȶƮ ÛǺǺǼÔȩ ǦȩǺȩǺǟ şǗ ƴȥǼȶɉǺǟ ȓȥÛƯ Ʉø ǦöȥǒĘŸȡ ȝȵ ÛƷǺDZǺöä ȸȵ ǦȝȥǺÔȵ ʔŸȝ ǦǺşǺǵ Ŏȭ ɃȥǬƠ ɍǗ Ǽʑş .ǦǼŸòǗ ǦǺşǺǵ Ž îǺǺȩɉä ȘǺǵ Ǽʑ ǦǼŸȝǺǺöä ÒǬ ȸȵ ǦǺǺȩȥŸöş Û°ƴ20 ȸȝ ǼǺǺǩ ɍ .ƴäǼǺǬèä Ŏȭ ǼǨǟ ǥǺìǺǦȵ ĘŸ8ǩ ɉǗş ÛǦǦǵ100 ȸȵ ǺƷȭǗ

ǒǺƮǬɋä ǸǺøǺǩ ȬǿǾȭş ÛɉǺÊŸöä ƘƠ ȯǺȶǨǬèŸö ǥǼǨȵ îǺǺȩɉä ɉǗ ǦǺşǺΣä ʔŸȝ ƙǦǺ ɉǗ Ǽʑ :**Labelling** ȴǼèȥǬöä .ǦǼǵƔÔöä

500 :ǦǼèǺèɉä ǦǺşǻɋǬ ǦǼǺǺΣä WHO ƺǽǺƴ ǦȶǝǺȩ Ž ǥȥÕöä :**Additional information** ǦǼȥǺȓǗ ğǺȵȥŸǨȵ .ƴäǺȡşǺȮǼȵ

.ɉǺÊŸöä ƘƠ ȯǺȶǨǬèŸö ǥǼǨȵ îǺǺȩǗ ɄȽ ŎǺƘÊǼŸ8öä ğäǺǬɋ ɄǬƔǬ îǺǺȩǗ

ǺǺǻǺÕȵ ȘǺƷ ȬöǼ ǼǺDzǬöş .ţǺÕöǺǟ şǗ ǥǿäǺɄŸö ȯǺǨǬöä ǼǺȝ ǺDzǺǺǺ ɉǗ ŎǺƘÊǼŸ8öä ğäǺǬɋ ɄǬƔƷö ȸȮȿ :ǺǺǾƠ .ǦöşǺǨȵ ǥƘ8ò

REQUIREMENTS ƘǦǺǺƱǩǼ!ƒ

.(45 ... 4 ...) "tablets ...

... $C_3H_5N_3O_9$ ... %120.0 ... %80.0 ...

Identity testes

... 0.50 ... 5 ... :A

... 4-3 ...

... TS (ó/h 15) ... 3 ... TS (ó/h 80 ~) ...

... 5 ... 3 ... :B

TS ... 1 ... TS (ó/h 750 ~)

... **:Test for the absence of decomposition** ...

... 0.1 ... 5 ... 0.50 ...

... TS ... 1 ... TS (ó/h100~) ... R ...

... 3 ... TS (ó/h 80~) ... 1 ...

... TS (ó/h100~) ...

... 1 ... 20 ... **:Assay** ...

... 0.5 ... R ... 4.5 ...

105 ... 133.5 ... *reference solution* ...

... 10 ... 50 ...

... 100 ... R ...

... 2 *reference solution* ... 1 ... 1 ...

... 8 ... 15 ... TS

... 20 ... TS (ó/h260~) ... 10 ...

... 405 ...

.reference solution ... $C_3H_5N_3O_9$ ...

$.C_3H_5N_3O_9$ ... 0.2000 ... *reference solution* ... 1 ...

... **:Disintegration test** ...

[illegible] (61 [illegible] 4 [illegible]) "Disintegration test for tablets

[illegible] 10 [illegible] 10 [illegible] :**Uniformity of content** [illegible] 0.5 [illegible] 4.5 [illegible]

[illegible] 133.5 [illegible] *reference solution* [illegible] 10 [illegible] 50 [illegible] 105 [illegible] 100 [illegible]

[illegible] 1 [illegible] 0.6 [illegible] 0.4 [illegible] 1 [illegible] 8 [illegible] 15 [illegible] TS [illegible] 2 [illegible] 20 [illegible] TS (260~) [illegible] 10 [illegible]

[illegible] 2 [illegible] *0.3* [illegible] *0.2* [illegible] *references* [illegible] 3 [illegible] 2 [illegible] 15 [illegible] TS [illegible] 2 [illegible] *solution.* (260~) [illegible] 10 [illegible] 8 [illegible] TS [illegible] 20 [illegible]

[illegible] 2 [illegible] 2 [illegible] 0.2 [illegible] *references solution.* [illegible] 7 [illegible] 15 [illegible] TS [illegible] 2 [illegible] TS (260~) [illegible] 10 [illegible] 8 [illegible] 20 [illegible]

[illegible] 405 [illegible] $C_3H_5N_3O_9$ [illegible] *references solution.* [illegible]

$C_3H_5N_3O_9$ [illegible] 0.2000 [illegible] 1 [illegible]

Uniformity of content for [illegible] "single dose preparations [illegible] (67 [illegible] 4 [illegible])

ØØØØØ

Griseofulvini compressi

Griseofulvin tablets [illegible]

[illegible] :**Category** [illegible]

[illegible] :**Labelling** [illegible]

[illegible] 125 :[illegible] WHO [illegible] :**Additional information** [illegible] 250 [illegible].

REQUIREMENTS [illegible]

"tablets [illegible] (45 [illegible] 4 [illegible]).

[illegible] $C_{17}A_{17}ClO_6$ [illegible] %105.0 [illegible] %95.0 [illegible].

Identity testes [illegible]

- [illegible] A [illegible] B [illegible].

A: [illegible] 0.125 [illegible] 20 [illegible] R 1[illegible] R [illegible]. 0.7 [illegible] "Spectrophotometry in the infrared region [illegible] (43 [illegible] 1 [illegible]) [illegible] RS [illegible].

B: [illegible] "Thin-layer chromatography [illegible] R1 [illegible] (84 [illegible] 1 [illegible]) [illegible] R [illegible] 10 [illegible]: [illegible] (A) [illegible] 5 [illegible] 10 [illegible] R [illegible] (B) [illegible] 5 [illegible] RS [illegible] 10 [illegible] R. [illegible]

.(ÀʠɳȥɰÅɸ 254) ǦɆDzÊÀȦǦöä

.B ȯȥŸǂÅæ ǦŸÔƜʠÊʦä ǦĽŎǦöä ʒɳ ǥÆÎöäʂ ÀȾȚʦäʂ ʒɐȥʦä Ž A ȯȥŸǂÅæ ǦŸÔƜʠÊʦä ǦɆÊɆəÀöä ǦĽŎǦöä ĘȥäȥʠǨ

ȪǺøȥÀŸÊöä Ȑþ ȡɳ Ōɳ 1 ƙÀöȥȥȥǺÂǺÀȣöä ȡɳ ɲŸɳ 5 ǜȥÅÓǨ ǦɐȥƜÊʦä ȋäÀɕǂä ȡɳ ǦɆɫõ БǕ ȣÅȒǺ :C

ÜTS (ȯ/ȟ100) ÿȥɆèÅǩȥǦöä ğÅɳʂÀõ ɄəÅÀɸ ȡɳ ǥÆǥäʂ ǥÀÛɕ ȣÅȒǺ .БÅŎǨÀæ - ÀÀǒǕ ɉȥǒ ǰʠǺǺ ÜTS (ȯ/ȟ1760~)

.БÀȒ - ÀþǕ БǕ ȯȥŸǂä ɉȥǒ ȯÆǦʠǺ

ƙÀöȥȥȥǺÂǺÀȣöä ȡɳ ȟ 0.1 ǜȥÅÓǨ ǦɐȥƜÊʦä ȋäÀɕǂä ȡɳ ǦɆɫõ ȤÅθ :**Loss on drying** ȤɆǺDzʠöÀæ ÆŎÀöä

ÆŎÀöä ɉȥÒǺ ɍ ÜğÅʒÅè 3 ǥÆɳ (ĘǦəä ʅŸɳ 5 ʂǕ ȯÅÒèÅæ ȥŸɆõ 0.6 àʂÅDzʠǺ ɍ) ȐÀÁǺɳ Ǜȣȓ ǨƠ °ÿ 60 ǦDZøÆöÅæ

.ȟ/ɲŸɳ 50 ȡɳ ÀǯõǕ

ÛƙÀöȥøȥȥǺÂǺÀȣöä ȡɳ ȟ 0.08 ǜȥÅÓǨ ȧȥƜÊʦä ȡɳ ǦɆɫõ БǕ ȣÅȒǺ .ÅǒÀɕ 20 ĘƜÊǺʂ ɉàȥǺ :**Assay** ǦÊǺÀŎʦä

ÛáƎǺ .ǦŎɆɕá 15 ǥÆɳ Ʉʒȥ DZÀöä ɉÀǺÀƨÅæ ŎɫȞǺ ȤǰÒɳ ǨƠ ɁŸȣǺʂ ÛR ŌɆǯǺʠä ğÅʠɆèǕ ȡɳ Ōɳ 150 ÛǦɆǜȥǦȒɳ Ǧɸʂàȥɳ

БǕ ŽÅøÛöä ȯȥŸǂä ȡɳ Ōɳ 2 ȤÅΣ .ŎÅǯÅʂ ÛǯÀǺ ÛŌɳ 200 ǯÅʠɸʠ ǒÅʦä ʈʂÂøÅɳ ȯȥɸÅǯǺʠä ȡɳ ǦɆȥÅõ ǦɆɫõ ȣÅȒǺʂ

.R ǒÅʦä ʈʂÂøÅɳ ȯȥɸÅǯǺʠÅæ Ōɳ 100

ɁȥʠǂäÆÊʒʂ ÅǦǺÀŎǨ ÀʠɳȥɰÅɸ 291 ǦDZȥɳ ȯȥǜ ÆÅʒ ɄɫȚʒɉä ÆΣä Ž ʅè 1 ǦɸÅÁǯæ ǦŎǦÛö ȯȥŸǂä äØȽ ȋÅʠ âÅŎǺ

. ($A^{1\%}_{1cm} = 68.6$) 686 ǦɆǒÅɳ ǦɫɆɕ ÿäÆÁʠèÅæ $C_{17}H_{17}ClO_6$ ȡɳ

.(5 ǦƜÀǒ ÛÆɆȾɫʠöä Û4 ÆŸŎä ÀȚɸä) :**Dissolution test** ɉÅæʂØöä øÅǦʠǹä

ØØØØØ

Mebendazoli compressi

Mebendazole tablets üǋȒƐɱǳǦȊDZǁƐ ʈ ƐþɜƇ

.ɉäÆǺÆöä áøÅǜ ǒäʂá :**Category** ǦÀÀöä

.ɳŸɳ 100 :ǦɆèÅèɉä ǦǺʂáʠǒ ǦɆöÅΣä WHO ǯæÅƴ ǦɫəÅɕ Ž ǥȥŎöä :**Additional information** ǦɆȥÅȓǕ ğÅɳȥŸĦɳ

REQUIREMENTS ƘǦǊǋƱǨdž!ƒ

.(45 ǦƜÀÔöä Û4 ÆŸŎä) "*tablets* ȋäÀɕɉä" ŌDZɉ ǥáʂÀȥɉä ɄøǦŸǺ

ǦɕÅÔǒ Ž ƙǦʦä $C_{16}H_{13}N_3O_3$ øäÆŌɳ ȡɳ %110.0 ȡʒ ÆǺÂǺ ɍʂ %90.0 ȡʒ ŎŎǺ ɍ Åɳ ȯʂàäÆǺǦɆʦä ȋäÀɕǕ ɃȥʠƠ

.ʅɆèȥʠöä

Identity testes ƕǏǋǊǁƐ ǀ ƐþƒǦȴǋƐ

"Related substances" :A
.D

0.04 2 :B
TS (~80) TS (~100) TS (~160) (II)

0.04 2 :C
1 3 TS (~1760)
.TS (~100) TS (~40)

:Related substances
90 R4 (84 1) "Thin-layer chromatography
R 5 R 5 R
(A) 10
R 9 R 1 50
10 A 5 (B)
10 A 0.5 (C)
5 RS 12.5 (D)
.(254)
.C A

:Assay 20 0.1
R 50 100
10 15 50
R 50 250
R 250
10
5 50 VS (0.1) 4
100 45 R

[illegible] 10 [illegible] 5 [illegible] -2 [illegible] RS [illegible] 20 [illegible] *reference solution* [illegible] R [illegible] -2 [illegible] 100 R [illegible] -2 [illegible] 7 R [illegible] 90 [illegible] 100 [illegible] 1.8 R [illegible] 0.2 [illegible] 2 R [illegible] 2– [illegible] 200 [illegible] 5 [illegible] R [illegible] -2 [illegible] 0.1 [illegible] 0.1 [illegible] R [illegible] 45 [illegible] R [illegible] -2 [illegible] 100 [illegible] 0.9 R [illegible].

[illegible] 1 [illegible] *reference solution* [illegible] $C_{16}H_{13}N_3O_3$ [illegible] 274 [illegible] RS [illegible] C [illegible] $20C(A_u/A_s)$ [illegible] A_s [illegible] A_u [illegible] *reference solution* [illegible].

.(5 [illegible] 4 [illegible]) :**Dissolution test** [illegible]

ø ø ø ø ø

Metronidazoli compressi

Metronidazole tablets [illegible]

[illegible] :**Category** [illegible]

500-200 :[illegible] WHO [illegible] :**Additional information** [illegible]

[illegible] film coated [illegible].

REQUIREMENTS [illegible]

.(45 [illegible] 4 [illegible]) "Tablets [illegible]"

[illegible] $C_6H_9N_3O_3$ [illegible] %105.0 [illegible] %95.0 [illegible].

20 ... 60 ... 105 ...

... 1 ... 100 ... 20 ... 10 ... 1 ... 350 ... TS (1760~) 20 ... 350 ... 220 ... RS ...

... 2 ... -4 ... 0.05 ... 25 ... 0.05 ... TS (70~) ...

Related substances: ... R4 ... (84 ...) "Thin-layer chromatography ... (A) ... 10 ... 5 ... R ... 5 ... 0.2 ... 10 ... R ...-5-...-2 ... 20 ... (B) ... (254) ...

... A ... B ...

Assay: ... 20 ... 0.2 ... 6 ... 10 ... R ... TS ... 0.1 ... 50 ... Non- ... VS (0.1) ... (142 ... 1 ...) A ... "aqueous titration ...

... 1 ... VS (0.1) ... 17.12 ... $C_6H_9N_3O_3$.

Dissolution test: ... (4 ... 5 ...).

Niclosamidi compressi

Niclosamide tablets [illegible]

[illegible] **Category** : [illegible].

[illegible] **Labelling** : [illegible].

[illegible] **Additional information** : [illegible] WHO [illegible] : 500 [illegible].

[illegible].

REQUIREMENTS [illegible]

[illegible] "45 [illegible]".

[illegible] %95.0 [illegible] %105.0 [illegible] $C_{13}H_8Cl_2N_2O_4$ [illegible]

[illegible].

Identity tests [illegible]

[illegible] 0.5 [illegible] 25 [illegible] (~750 [illegible]) TS [illegible]

[illegible].

• [illegible] A [illegible] B [illegible] C [illegible] D.

A: [illegible] "Spectrophotometry in the infrared region [illegible] (43 [illegible]). [illegible] RS [illegible] *reference spectrum* [illegible].

B: [illegible] 0.05 [illegible] Sublimate [illegible] 5 [illegible] (25 [illegible]) TS [illegible].

C: [illegible] 0.05 [illegible] 5 [illegible] (1 [illegible]) VS [illegible] 0.1 [illegible] R [illegible] 10 [illegible] 0.5 [illegible] (10 [illegible]) [illegible] 10 [illegible] 2 [illegible] (25 [illegible]) TS [illegible] 10 [illegible] 2 [illegible] *N*-(1-naphthyl) ethylenediamine [illegible] (5 [illegible]) TS hydrochloride [illegible].

D: [illegible] 0.1 [illegible] 1 [illegible] R [illegible] 10 [illegible] 10 [illegible] (~750 [illegible]) TS [illegible] 105°[illegible]

.°ÿ178 ǦäāÀę ÛȬĘǪĘè ɉä ĘǪÎţ *Melting temperature* øÀŢÔφɍä ǦDZøá

ȡŋ ȟ 0.1 ǜźÀÖǩ ǦęźĦÊţä î äÀęɉä ȡŋ ǦĿŧõ Ƃǖ :**2-Chloro-4-nitroaniline** ƙŸĘφǖşÀǪφ -4-şøźŸõ -2 ȬÀøźŸõşøǼĿTä R̀ þ ȡŋ ǦĿźÀõ ǦĿŧõ 8ÀR̂À ÛáƎÀ ÛƙǪÕĘęá gǼŋ ɁŸ8Àş R ȯźφÀǯĘţä ȡŋ Ōŋ 20 8ÀR̂À ǼĿŋäàźŸÖĘÀöä TS (ȯ/ȟ1) ÿźÀáźÔöä ǨÀÀǪφ ȡŋ Ōŋ 1 8ÀR̂À Ǧǵ̇Àì̀Àöä ȡŋ Ōŋ 10 Ƃǖ .ǴŋìÀÀş ÛŌŋ 50 ǯÀǪφq VS (ȯ/ȯźŋ 1)
.ĘǝÀęá 10 gǼŋ ÀÕǪÊĿö õÀǪÀş

ȡŋ Ōŋ 1 8ÀR̂Àş ÛĘǝÀęá 10 gǼŋ ÀÕǪÊĿö õÀǪÀ ÛǯÀÀ ÛTS (ȯ/ȟ 25) ÿźĘφźŋɉä ğÀŋÀÀŸè ȡŋ Ōŋ 1 8ÀR̂À Ž ǰǩÀÀöä Õöǽ ȡŋ gǼì ÀǯõǕ ǰǩÀÀöä ȷźŸöä ȷźÖÀ ɍ ǕTS (ȯ/ȟ5) ƙŋɉä ƟǝÀÀǪ ƙŸĘǯÀǕ (ŌĘǯÀφ-1) -*N* ǼÀøźŸõşøǼĿȽ
.R ƙŸĘφǖşÀǪφ -4-şøźŸõ-2 ȡŋ ÿäÀȡşÀÖŋ 10 ɁŸ3 ɃźǪƷ ȡŋäÂǪöäş ǦöÀÎţÀǽ ŌŋÀȞŋ ȯźŸƮ

ȡŋ ȟ 0.5 ǜźÀÖǩ ǦęźĦÊţä î äÀęɉä ȡŋ ǦĿŧõ Ƃǖ :**5-Chlorosalicylic acid** ÕĘŸĘÊĿöÀèşøźŸõ -5 R̀ þ ȬÀƘÀöä ǼÀøźŸõ ȡŋ ğäÀÛę ƷR̂ǽ Ǧǵ̇Àì̀Àöä Ƃǖ 8ÀR̂Àş ÛǴŋìÀÀ ÛáƎÀ .ɁŸ8Àş ǒÀţä ȡŋ Ōŋ 10 8ÀR̂À ǼĿŋäàźŸÖĘÀöä
.ƟDZÊÀÀǽ şǕ Àþǖ ȷźö ǰǪÀÀ ɍ ǕTS (ȯ/ȟ25)

ǦφşàźŋÛǼĿŋäàźŸÖĘÀöä ȡŋ ȟ 0.3 ǦäāÀę ǜźÀÖǩ ȧźĦÊţä ȡŋ ǦĿŧõ Ƃǖ .ÀòÀę 20 ĘĦÊÀş ȷàźÀ :**Assay** ǦÊÀÀÕţä ÛVS (ȯ/ȯźŋ 0.1) ÿźĘφźŋɉä ŌĘǩźǽ ƟƷÀǽø ǼĿÊõşøǼĿö ÀÀÀȞÀş R ǼĿŋÀŋøźź ŌĘǯĘŋ ƟǝÀÀǪ ȡŋ Ōŋ 60 8ÀR̂À ÛǦĿǜźǦR̂ŋ "Non-aqueous titration ƟǝÀŋŸöä Ǜèźöä Ž gÀÀÀȞţä" ȷäźÀ3 ǨƠ 8źòźŋ źȽ Àŧõ ǼŢƨä âÀĘŌŋ ǦÀÀŢÀöä ǦÛÕφ ƙĿȞǪǽ ǜźÀÖÀ VS (ȯ/ȯźŋ 0.1) ÿźĘφźŋɉä ŌĘǩźǽ ƟƷÀǽø ǼĿÊõşøǼĿȽ ȡŋ Ōŋ 1 Ȭõ .(142 ǦĦÀÔöä Û1 ǼŸÕä) B ǦÕÀÀÛöä
.$C_{13}H_8Cl_2N_2O_4$ ȡŋ ŊŸŋ 32.71

ø ø ø ø ø

Nitrofurantoini compressi

Nitrofurantoin tablets DZĭNjłǆƐþNjʒNjþłǆǁƐ ţ Ɛþƨƈ

.ƟŋźǪÀDZ áÀR̂ŋ öäşá :**Category** ǦÀÀöä

.°ÿ25 àşÀDZǪǩ ɍ gøäÀǵ ǦDZøá Ž ȡÀźǪφäøźźşÀǪÀöä î äÀęǕ ȡÀÂƠ Ǣƶ :**Storage** ȡÀÂÅǪöä

.ŊŸŋ 100 :ǦĿèÀèɉä ǦÀşáǪö ǦĿöÀΣä WHO ǯǽÀƴ ǦŧǝÀę Ž gźÕöä :**Additional information** ǦĿźÀr̀ǖ ğÀŋźŸȞŋ
.enteric sugar caatuing ɃźȞŋ ɃÀÖè Õǎ8ŋ ɁŸ3 ȡÀźǪφäøźźşÀǪÀöä î äÀęǕ ɃźǪƠ Ǽę

REQUIREMENTS ƘǦĥǁƱƙǆž!ƒ

.(45 ǦĦÀÔöä Û4 ǼŸÕä) "tablets î äÀęɉä" ŌDZɉ gáşÀźɉä ɁøǦŸǩ

[illegible] $C_8H_6N_4O_5$ [illegible] %110.0 [illegible] %90.0 [illegible]
[illegible].

Identity tests [illegible]

[illegible] A [illegible] B [illegible].

A: [illegible] 0.1 [illegible] 10 [illegible] (~300 [illegible]) [illegible] 105 [illegible] "Spectrophotometry in the infrared region [illegible] (43 [illegible]) [illegible] RS [illegible] *reference spectrum* [illegible].

B: *Note*: [illegible] "Assay [illegible]" 220 [illegible] 400 [illegible] 266 [illegible] 367 [illegible] 1.36 [illegible] 1.42.

C: [illegible] 25 [illegible] 25 [illegible] 1 [illegible] (~260 [illegible]) [illegible] 5 [illegible] (40 [illegible]) [illegible].

Related substances [illegible] "Thin-layer chromatography" (84 [illegible]) [illegible] R2 [illegible] 9 [illegible] R [illegible] R [illegible] 10 [illegible] 0.1 [illegible] 10 [illegible] (A) [illegible] R [illegible] 9 [illegible] R [illegible] 100 [illegible] A [illegible] 1 [illegible] (B) [illegible] 5 [illegible] 105° [illegible] 105° [illegible] (254 [illegible]) [illegible] 10 [illegible] Methode of visualization.

[illegible] A [illegible] B.

Assay [illegible] *Note*: [illegible] subduel.

[illegible] 0.12 [illegible] 20 [illegible] 1000 [illegible] 5 [illegible] 50 [illegible] 0.14 [illegible] 1.8 [illegible] 100 [illegible] 5 [illegible] 100 [illegible]

[illegible] 367 [illegible] 1 [illegible] $C_8H_6N_4O_5$ [illegible] 76.5 ($A_{1cm}^{1\%} = 765$).

ØØØØØØ

Nystatini compressi

Nystatin tablets [illegible]

[illegible] **:Category** [illegible]

[illegible] **:Storage** [illegible] 25°[illegible].

[illegible] **:Labelling** [illegible]

500 000 [illegible] WHO [illegible] **:Additional information** [illegible]

[illegible]

REQUIREMENTS [illegible]

[illegible] "Tallets [illegible]" [illegible] (45 [illegible] 4 [illegible]).

Identity tests [illegible]

[illegible] 5 [illegible] 0.1 [illegible] :A

[illegible] 1 [illegible] 100 [illegible] 50 [illegible]

350 [illegible] 240 [illegible] 100 [illegible]

[illegible] 1 [illegible] 319 [illegible] 305 [illegible] 291 [illegible]

[illegible] 319 [illegible] 0.73 [illegible] 0.61 [illegible] 305 [illegible] 291 [illegible]

.0.96ş 0.83 ƙǟ ÄǪŋζφÅǫ 305

ȱǺǿζÅŸÊöä Ȑƥ ȡŋ Ōŋ 2 ȣÅȒǺ ƙφÅǪÊǺöä ȡŋ ȟ0.05 ȕζÅȮǨ ǦęζǶÊţä ȋ äÅęɟä ȡŋ ǦȽȽȭ ƂǗ :B .ɄDzÊÅǺǟ ɄøǺǟ ȷζö ǰǪǺ ÜTS (ȯ/ȟ1760~)

ÜTS (ȯ/ȟ750~) ȯζφÅǯǺɋä ȡŋ Ōŋ 2 ȣÅȒǺ ƙφÅǪÊǺöä ȡŋ ȟ 0.05 ȕζÅȮǨ ǦęζǶÊţä ȋ äÅęɟä ȡŋ ǦȽȭȭ ƂǗ :C ȡŋ ÆȭÅŋ ȯζŸŢ ȡŋ ƙǨÅÛęş TS (ȯ/ȟ250~) ȱǺǿζŸȭşǿÆȾTä Ȑƥ ȡŋ Ōŋ1 ǦǵÅȉÅöä ƂǗ ȣÅȒǺ .ǴȉÅǺş Ûȝ ÅǺ .ǥÆȉ Äǯȭǖ ÄÅȍɟä ȯζŸǂä ȷζö ǴǤÔǺ ÜǒÅţä ȡŋ Ōŋ 10ş TS (ȯ/ȟ25) ȱǺȻÅöä ÆǺǿζŸȭ ȡŋ Ōŋ 1

60 ǦDZǿÆöÅǟ ƙφÅǪÊǺöä ȡŋ ȟ 0.1 ȕζÅȮǨ ǦęζǶÊţä ȋ äÅęɟä ȡŋ ǦȽȭȭ ȤÅθ :**Loss on drying** ȤȾÅDzǪöÅǟ ÆȭÅöä 50 ȡŋ Äǯȭǖ ÆȭÅöä ȷζȮǺ ɍ Üǧǳ Åȅ 3 ǥÆŋ (ĘǤǝä ȴŋ 5 şǗ ȯÅȮȅÅǟζŸȾȭ 0.6 äşÅDzǪǺ ɍ) ȐÅǺÅŋ Ü8ȑ ǨƠ ÿ .ȟ/ŋŸŋ

:**Assay** ǦÊǺÅȭţä

.ǨζÅǹ ǒζȑ Ž ÅǒǵɍǦζζȍζţä ǧÅȾŸȼȞöä ȜÄθ ȷǗ Ƶ :*Note* ǦŢǵŸŋ

ǦφşÄζŋ ÛƙφÅǪÊǺöä ȡŋ ǦȾöşǻǥÆǵş 200000 ǦǟäÅę ȕζÅȮǨ ȧζǶÊţä ȡŋ ǦȽȭȭ ƂǗ .ÅǒÅę 20 ĘǶÊȽş ȷÄζɫ ȰǝÅÊöä ȡŋ Ōŋ 10 ȤÅǣş ÛȰǺǯǺ .ǥÆǵäş ǦȝÅȅ ǥÆŋ ȝǺÅş R ÆȾŋÅŋǿζζ ȰǯȾŋ ɄǝÅǺǫ ȡŋ Ōŋ 50 ȣÅȒǺ ÛǦȾȕζǦȒŋ ȷäζǺȝ ǨƠ ȣζȍζŋ ζȽ ÅȽȭ ǦÊǺÅȭţä ȜÄθ .TS3 Û6.0 ǒÅȽÅǟ ÛǦȽȾȝ ǧÅÅȅζζ ǦǝǿäÆǟ Ōŋ 200 ƂǗ ŽÅÔöä ŽÅÛöä ÿäÆǺǪȅÅǟ (155 ǦǶÅÔöä Û1 ÆŸǑä) "Microbiological assay of antiotics ǦǺζȾΣä ǧäåÅȒȽŸö ǦȾDZζȾǟşÄȮţä ǦÊǺÅȭţä"

ǒäȻȮÊöä ȡȒǶÅş Û6.2- 6.0 ǦȽǝÅǼ ǒÅȽÅǟ ɃǞ Cm3 ţǿÂöä ȕȅζǟ ȴŋ 2-1 ĘȽȞǟ ǥǒζŸư ǦŸȾÛǪÊŋ ɉäζȍ şǗ ɃÄǪǟ ȧÅǦȕǗ ǟȣÅȭ ÂȾȭÄǨ ÛȣÅȒǺ .ǿÅǦǪǹŸö ĘȾęǻ Ʉǥ ȡǝÅȮȭ *Saccharomyces cerevisiae* (NCYC 87; ATCC 9763) ǦǺζȞƨä

ɄȽ ǦÊǺÅȭţä Ǧęǻ .°ÿ33-29 ǦDZǿÆöÅǟ ȡȒȝş (ǥÅȝ ÄǪö ɄŸȾţä Ž ǦȾöşǻ ǥÆǵş 300ş 25 ƙǟ dzşäÄǪǺ) ƙφÅǪÊǺöä ȡŋ ȡŋ Äǯȭǖ ɍş %95 ȡŋ ŌęǗ (*P* = 0.95) ǥǿÆȭţä ǦȾöÅȞÅŸö äÛÅŸö fiducial limits ǥÆȽǪȞţä åşÆΣä ÅȾȾζ ȷζȮǨ ɍ ɄøǪöä .%105

ȡŋ %110.0ȡŋ Äǯȭǖ äÛÅŸö ÆȽǪȞţä ʔøφǻɟä ÆΣä ȷζȮǺ ɍş %97.0 ȡŋ ŌęǗ äÛÅŸö ÆȽȞǪţä ɃζŸȞöä ÆΣä ȷζȮǺ ɍ .ǦȾöşÆöä ǧäÆǵζöÅǟ ÅȾÅȝ ÄǪȞţäş ȴȾȅζǪöä ǦęÅÔö Ž ǦÆǤţä şǗ Ǧζζȍζţä ǦȾöÅȞÅöä

Disintegration test for tablets ǧɍζÊǤȮöäş ȋ äÅęɟä ȰDZɟ ǨǪÅǪöä ǿÅǦǪǹä" ȜÄƵ :**Disintegration** ǨǪÅǪöä ȡŋ ȈɍÆǟ VS (ȯ/ȯζŋ 0.1) ȱǺǿζŸȭşǿÆȾTä Ȑƥ ÿäÆǺǪȅÅǟ ȡȮöş Û(61 ǦǶÅÔöä Û4 ÆŸǑä ÄŢφä) "and capsules ȝǟÅǪǺş ǒÅţä Ž ÅȞÅȅ ÅȾÊȽÛ8ǪǟǯÊ8Ǩ Ü ȋ äÅęɟä ȡŋ ȋ Äę ɃǗ ǨǪÅǪǺ Ƀ äǽǗ .ǦȭȽęǻ 30 ǥÆŋ äÅȾƨä ȮȾΙǺş ÛǒÅţä .ȜÄǹǗ ǦȭȽęǻ 30 ȯŸǹ ǨǪÅǪǨ ȷǗ Ƶ ȋ äÅęɟä ȰȭÜTS Û6.8 ǒÅȽÅǟ ÛɃǿÆȾȞţä ǧÅÅȅζÅöä ǦǝǿäÅǻ ÿäÆǺǪȅÅǟ ǿÅǦǪǹɍä

Paracetamoli compressi

Paracetamol tablets [illegible]

[illegible] :**other name** [illegible]

[illegible] :**Category** [illegible]

[illegible] :**Storage** [illegible]

500-100 :[illegible] WHO [illegible] :**Additional information** [illegible]

[illegible]

REQUIREMENTS [illegible]

.(45 [illegible] 4 [illegible]) "tablets [illegible]" [illegible]

[illegible] $C_8H_9NO_2$ [illegible] %105 [illegible] %95.0 [illegible]

Identity tests [illegible]

[illegible] 40 [illegible] 1 [illegible]

- [illegible] A [illegible] B [illegible] C [illegible] -4" [illegible]
.("4-Aminophenol

[illegible] :A

[illegible] .(43 [illegible] 1 [illegible]) "Spectrophotometry in the infrared region [illegible]

.[illegible] *reference spectrum* [illegible] R [illegible]

[illegible] ."Related substances [illegible]" [illegible] :B

.B [illegible] A [illegible]

[illegible] TS ([illegible]250~) [illegible] 2 [illegible] 0.1 [illegible] :C

[illegible] ([illegible]100) [illegible] 10 [illegible]

.Àþ̀ ǴĜÔÀ ɍȿ ŏÙ̀Gæ ɄDzÊÀÀæ ɈȤǒ øȤÛǪÀ

ŏÀʈǟȿ R ȯȤǫÀǯɆʈǟ ȡɳ ĞǒåÀĤǪɳ ȳȤDzǵ ȡɳ ǰÀÂɳ Ž ĞǒÀȶǯǒǟ ȡɳ ȟ 0.5 ǟǟØÀ :**4-Aminophenol** ȯȤÆȤȤÆɳ̀-**4**

ŌÀǪÀȿ ǯÂȼ ÛTS ɃȤŸŌǒǟ ȳȤÀáȤÔǒǟ ÆɆèȿÀæȿÀǪɸ ȡɳ Ōɳ 0.2 ȣÀȒÀ .ǧÀĜÀØʈǟ ȡɳ ǰÀÂʈǟ ǟØǒ Ōɳ 10 ƂÙ ȤÀȻȿ

ȡɳ ƂÀʅǟ ȯȤɳÀǪɆèǟøÀĜǒǟ ȡɳ ȟ 0.5 ɁŸȝ ɃȤǪƷ ɄĤDZÀɳ ȯȤŸȚ ŌǪÀư ȤÙ ɁŸȝ ÀȒƷ .ĞŌɆȩá 30 ǵÆɳ ÀŌǪÊɆǒ

ɈȤÒÀ ɍ .¢ÊÀɸ ǧÀĜÀØʈǟ ǰÀÂɳ Ž R ȯȤÆȤȤÆɳ̀-4 ȡɳ Ōɳ/ɳŸɳ 0.05 ɁŸȝ ɃȤǪƷ ȯȤŸȚ ȡɳ Ōɳ 0.5ȿ R ȯȤÆȤȤÆɳ̀ -4

.(Ōɳ/ɳŸɳ 0.05) *reference solution* ɄĤDZÀʈǟ ȯȤŸɫǟ ȡɳ ǵÆì ÀǯōÙ øÀĜǪǹɍǟ ȯȤŸȚ ɈȤǒ

ĞŌɆȩÀǒǟ ĞŌĜÛǒǟ ǟǟÀÎǪèǟ ɉǟȤÀȝ ǨƠ ȣȤòȤɳ ȤȽ Àȶō øÀĜǪǹɍǟ ɁÀƶ :**Related substances** ĞǒÀÎʈǟ åǟȤʈǟ

65 ȡɳ ǰÀÂɳȿ ĞŸŸȣɳ ǵåÀȶō R4 ÀÒɆŸɆÊǒǟ ĞɳŸȽ ȳǟÆǺǪèÀæ Û(84 ĞĤÀÔǒǟ Û1 ÆŸŎǟ) "Thin-layer chromatography

ŌÀǪǩ ȡÒǒȿ ÛōǺĤǪɳ øȤÛō R ȡÀȤòȤÛǒǟ ȡɳ ȳȤDzǵ 10ȿ R ɈȤǪɆèɉǟ ȡɳ ǺȶDzǵ 25ȿ R ȳøȤȤȿøȤŸÒǒǟ ȡɳ ǺȶDzǵ

.ĞĤĜÎɳ Ǩȡ ǵÀDzǵ Ž ȨɆĜÛǪǒǟ Ùǹ ȧȤȤ ʅè 14 ĞȤÀÊɳ front to ascend (ǺɆɳÀɳ̀) ǺɆɫĜDZ ÆĤÔǩ ǧÀĜÀØʈǟ

ȧȤĤÊʈǟ ȡɳ ĞɆȶō ŌŌÀÀ (A) ȯȤŸɫǟ ŌDZɉ :ĞɆǒÀǪǒǟ ĞǪÊǒǟ ŌɆǒÀɫǟ ÀȒƠȿ ǧɍȤÊĜō 10 ȡȝ ŌŌÀ ɍÀɳ ȨĤÊÀ

ȡɳ Ōɳ 10 ȣÀȒÀ ÛŌɳ 15 ¢ǪĤè ĞɆDZÀDZǟ ǵåǟÆè Ƀæ ŌɆÀǯǪŸǒ ǴÛÊɳ ǟȤĜǪÙ ƂÙ ȯȤɳÀǪɆèǟøÀĜǒǟ ȡɳ ɳŸɳ 200 ùȤÀÒǩ

ɁøǪǵ ȿÙ ĞŌɆȩá 15 ǵÆɳ ĞŌɆȩÆǒǟ/ǵøȿá 1000 ĞȝÀÊæ ŌÀǯÀ ĞŌɆȩá 30 ǵÆɳ ǺɆǒÙ ǯÀÀ ÛTS (ȯ/ȟ750~) ȯȤǫÀǯÀɋǟ

20 ǟǟØÀ (B) ȯȤŸɫǟ ŌDZɉ .ÀǪǒȿÀÒɳ 40 ȨĜÛÀȿ Ûdecant (ÆèǟÀǒǟ ȧȤȤ ȡɳ ȯǟÂÀ) ɈÀĜǩ ÛǟȣÀù ŌǟÀè ɁŸȝ ȯȤÔȢǟ

ŌŌÀǩ (C) ȯȤŸɫǟ ŌDZɉ .ÀǪǒȿÀÒɳ 40 ȨĜÛÀȿ TS (ȯ/ȟ750~) ȯȤǫÀǯÀɋǟ ȡɳ ÀǪǒ ɄŸɆɳ ŌÒǒ RS ȯȤɳÀǪɆèǟøÀĜǒǟ ȡɳ ɳŸɳ

ȡɳ Ōɳ 5 ȣÀȒÀ ÛĞɆDZÀDZǟ ǵåǟÆè Ƀæ ŌɆÀǯǪŸǒ ǴÛÊɳ ǟȤĜǪÙ ƂÙ ȯȤɳÀǪɆèǟøÀĜǒǟ ȡɳ ȟ 1 ùȤÀÒǩ ȧȤĤÊʈǟ ȡɳ ĞɆȶō

ȿÙ ĞŌɆȩá 15 ǵÆɳ ĞŌɆȩá/ǵøȿá 1000 ĞȝÀÊæ ŌÀǯÀ ÛĞŌɆȩá 30 ǵÆɳ ǺɆÒɸÀÒɆɳ ǯÀÀ ÛR ÆɆÊōȿǨĜǒǟ ȡɳ ƂÀʅǟ ǨǪɉǟ

ȝɳ C ȯȤŸɫǟ ȡɳ Ōɳ 1 ȤÀȻ (D) ȯȤŸɫǟ ŌDZɉ .ÀǪǒȿÀÒɳ 200 ȨĜÛÀȿ Ûdecant ɈÀĜǩ ÛȣÀù ŌǟÀè ǰǪÀÀ ɁøǪǵ

ȡɳ Ōɳ 0.5 ŌŌÀÀ (E) ȯȤŸɫǟ ŌDZɉ .ÀǪɳȿÀÒɳ 40 ȨĜÛÀȿ Ōɳ 10 ǯÀǪɸɋ TS (ȯ/ȟ750~) ȯȤǫÀǯÀɋǟ ȡɳ ĞɆȤÀō ĞɆȶō

ȯȤǫÀǯÀɋÀæ ʅDzǵ ƂÙ ȤÀȻ ÛR ÆɆŸɆɸÀǪɆèÙȿøȤŸō –4′ ȡɳ ɳŸɳ 25 ȣÀȒÀ ÛŌɳ 10 ÀɫǪĤè ĞɆȶDzǵ ĞŸDZȤǵ ƂÙ B ȯȤŸɫǟ

ĞɆȤÀō ĞɆȶō Ž R ÆɆŸɆɸÀǪɆèÙȿøȤŸō –4′ ȡɳ ɳŸɳ 10 ǟǟØÀ (F) ȯȤŸɫǟ ŌDZɉ .ÀǪǒȿÀÒɳ 40 ȨĜÛÀȿ ÛTS (ȯ/ȟ750~)

ʈÂøɸ ÆĤæ .ÀǪǒȿÀÒɳ 40 ȨĜÛÀȿ Û¢ÊÀɸ ÆÀØʈÀæ Ōɳ 10 ƂÙ Ōɳ 1 ȤÀȻ ŌǒØō ÛŌɳ 20 ǯÀǪɸɋ TS ȯȤǫÀǯÀɋǟ ȡɳ

ȧȤȤ ĞĤìɉǟ ŏȤȓ Ž ǟǟÀÎǪèɍǟ ÙÛư ÒĤÀÀȿ ÛøÀǵ ŏǟȤȽ øÀɆǩ Ž ȤDzǪǒ ŌÀǪǩ Ûǟǟ ÀÎǪèɍǟ ǵÀDzǵ ȡɳ ĞĤɆÀÔǒǟ

ĞŌæÀÛʈǟ ĞĤŌĜǒǟ ȡɳ ǵÆì ÀǯōÙ ÛĞɆÊɆǝÀǒǟ ĞĤŌĜǒǟ ŏÀÀǯǪèÀæ C ȯȤŸɫÀæ ĞŸÔĤǪÊʈǟ ĞĤŌĜǒǟ ɈȤÒǩ ɍ .(ÀǪɳȤǫÀɸ 254) ĞɆDzÊÀÀĜǒǟ

ÀǯōÙ ɈȤÒǩ ɍ ĞɆÊɆǝÀǒǟ ĞĤŌĜǒǟ ŏÀÀǯǪèÀæ ÛD ȯȤŸɫÀæ ÀɫɆŸȝ ŌÔĤǪÊÀ ĞĤŌæ ĞÀÙ .F ȯȤŸɫÀæ ĞŸÔĤǪÊʈǟ (ÀɫÊÀɸ R_f ĞȶɆȩ)

E ȯȤŸɫÀæ ŌÔĤǪÊʈǟ ǟǟÀÎǪèɍǟ ÙÛư ɁÆǟÙ ǟæÙ ɍÙ ǺȩȿÆÔɳ øÀĜǪǹɍǟ ǺĤÀ ɍ .F ȯȤŸɫÀæ ĞŸÔĤǪÊʈǟ ĞĤŌĜǒǟ ȡɳ ǵÆì

.ȡȤȤȓȤæ ǨǪŸÔÀÀɳ ǨǪĤŌæ

[illegible] 0.15 [illegible] 20 [illegible] :**Assay** [illegible]
[illegible] 100 [illegible] VS (0.1 [illegible]) [illegible] 50 [illegible]
[illegible] 100 [illegible] 10 [illegible] 200 [illegible] 15
[illegible] 100 [illegible] VS (0.1 [illegible]) [illegible] .[illegible] 10 [illegible] 10 [illegible]

[illegible] 257 [illegible] 1 [illegible]
. ($A^{1\%}_{1cm}$ =715)71.5 [illegible] $C_8H_9NO_2$

Phenoxymethylpenicillini kalici compressi

[illegible]

Phenoxymethylpenicillin potassium tablets

[illegible] :**Category** [illegible]

[illegible] :**Storage** [illegible]

[illegible] :**Labelling** [illegible]

[illegible] 250 :[illegible] WHO [illegible] :**Additional information** [illegible]

REQUIREMENTS [illegible]

.(45 [illegible] 4 [illegible]) "Tablets [illegible]"

[illegible] %110.0 [illegible] %90.0 [illegible]
. [illegible] $C_{16}H_{18}N_2O_5S$

Identity testes [illegible]

[illegible] 80 [illegible] :A
[illegible] 350 [illegible] 230 [illegible] 250
.[illegible] 272 [illegible] 274 [illegible] 268 [illegible]

[illegible] 5 [illegible] 1 [illegible] :B

[illegible] 3 [illegible] TS (70~) [illegible] 2 [illegible] R [illegible]-2 [illegible] 50 [illegible] TS (100) [illegible] TS (80~) [illegible] 3 [illegible]

5 [illegible] 0.5 [illegible] :C [illegible] TS (70~) [illegible] 1 [illegible] "Genereral identification tests [illegible]" [illegible] (123 [illegible]).

[illegible] 0.1 [illegible] **:Loss on drying** [illegible] 3 [illegible] 60 [illegible] 5 [illegible] 0.6 [illegible] 15 [illegible].

[illegible] **:Phenoxyacetic acid** [illegible] R1 [illegible] (84 [illegible] 1 [illegible]) "Thin-layer chromatography [illegible] R [illegible] 7 R [illegible] 90 [illegible] (A) [illegible] 10 [illegible] R [illegible] 25 [illegible] 0.25 [illegible] R [illegible] 10 [illegible] (B) [illegible] .VS (0.5) [illegible] 100 [illegible] R [illegible] 0.15 [illegible].

[illegible] A [illegible] .B

[illegible] 125 [illegible] 20 [illegible] **:Assay** [illegible] 500 [illegible] 30 [illegible] 300 [illegible] 2 [illegible] 100 [illegible] 25 [illegible] TS [illegible] 10 [illegible] (*A* [illegible]) 20 [illegible] 25 [illegible] 60 [illegible]

.([illegible] B) [illegible] 10 [illegible]

[illegible] 325 [illegible] 1 [illegible]

[illegible] A [illegible] TS [illegible] 10 [illegible] 2 [illegible]

[illegible] $C_{16}H_{18}N_2O_5S$ [illegible] B [illegible] A [illegible] .B [illegible]

[illegible] *reference solution* [illegible] .RS [illegible]

.0.03 ± 0.63 [illegible]

.(5 [illegible] 4 [illegible]) :**Dissolution test** [illegible]

Piprazini adipatis compressi

Piperazine adipate tablets [illegible]

.[illegible] :**Category** [illegible]

[illegible] :[illegible] WHO [illegible] :**Additional information** [illegible]

.[illegible] 500

.[illegible] 500 [illegible] 600 [illegible]:

REQUIREMENTS [illegible]

.(45 [illegible] 4 [illegible]) "Tablets [illegible]"

$C_4H_{10}N_2,C_6H_{10}O_4$ [illegible] %107.0 [illegible] %93.0 [illegible]

.[illegible]

Identity testes [illegible]

[illegible] ."Related substances [illegible]" [illegible] :A

[illegible] B [illegible]

.C [illegible]

.[illegible] 5 [illegible] 20 [illegible] 1 [illegible] :B

TS ([illegible] 250~) [illegible] 5 [illegible] (C [illegible]) [illegible] 10 [illegible]

[illegible] 3 [illegible] 3 [illegible] 10 [illegible]

[illegible] 152 [illegible] 105 [illegible]

[illegible] R [illegible] 0.5 [illegible] B [illegible] C: [illegible] 10 [illegible] 15 [illegible]

[illegible] (N,N-`N [illegible]) 158 [illegible] 105 [illegible]

[illegible] **Related substances**: [illegible] (84 [illegible] 1 [illegible]) R1 [illegible] "Thin-layer chromatography [illegible] 500 [illegible] R [illegible] TS 8 [illegible] (~260 [illegible]) [illegible] TS 3 [illegible] (750 [illegible]) [illegible] B CS DS ES FS: [illegible] (A) [illegible] 5 [illegible] TS. (~260 [illegible]) [illegible] (~260 [illegible]) 6 [illegible] 1 [illegible] A 10 [illegible] (B) 1 [illegible] 10 [illegible] RS [illegible] 0.1 (C) [illegible] 10 [illegible] R 25 (D) [illegible] 100 [illegible] R 25 (E) [illegible] 100 [illegible] R 12.5 (F) [illegible] A 50 [illegible] 5 [illegible] 105 [illegible] 3 [illegible] R 3 [illegible] 100S [illegible] R 1.5 [illegible] 1-R [illegible] TS. (~750 [illegible]) [illegible] 10 [illegible] 105 [illegible]

[illegible] D. [illegible] A [illegible] VS (0.05 [illegible]) [illegible] 10 [illegible]

[illegible] A [illegible] F [illegible] E. [illegible]

[illegible] **Assay**: [illegible] 20 [illegible] 0.2 [illegible] 10 [illegible] 10 [illegible] 100S TS (~1760 [illegible]) 5 [illegible]

15 ... TS (ọ/ȟ7)

10 ... TS (ọ/ȟ7)

105 ... R.

1 ... 426.8 ... $C_4H_{10}N_2,C_6H_{10}O_4$.

ØØØØØ

Piprazini citratis compressi

Piperazine citrate tablets

Category:

Storage:

Additional information: WHO ... 500.

REQUIREMENTS

"Tablets" (... 4 ... 45).

%93.0 ... %107.0 ... $(C_4H_{10}N_2)_3,2C_6H_8O_7$.

Identity testes

A: "Related substances" ... B ... C.

B: 0.2 ... 5 ... R ... 0.5 ... TS (ọ/ȟ70~) ... 15 ... 105 ... 158 ... (N,N`- ...).

C: 0.5 ... 10 ...

"Genmeral identification tests" ... (1 ... 121).

Related substances:

R1 (84 1) "Thin-layer chromatography

500 R 8 TS (~260)

3 TS (~750) F E D C B

(A) 5 TS (~260)

(~60) 6 1

10 A 1 (B) 10

10 RS 0.1 (C)

100 R 25 (D)

100 R 25 (E)

50 A 5 R 12.5 (F)

3 105°

100 R 3 R

TS (~750) R 1.5 R-1

10 105°

D A

VS (0.05) 10

A F

E

Assay 0.2 20

3 TS (~70) 10

100 10

15 TS (7)

10 TS (7)

R 105°

$(C_4H_{10}N_2)_3,2C_6H_8O_7$ 393.5 1

Primaqui diphosphatis compressi

Primaquine diphosphate tablets DžĭǀƑDžĭƥǴǁƐ ǀƑƧƨǋǆ Ĭəƒǳǩ ţ Ɛƥƺƈ

.ǺǺøŸţä ǻǺȒɳ ŏäşǻ :**Category** ǦǺǺöä

.ƙõǺƸƎöä øäǼÕţ ùǯǺȮɳ ƘǴȞǬæ ȯǺȞǺöä ȷƙȮţä ǦƗŧõ ǦǺşǺΣä ɁŸʒ ƙǴ ȷǕ Ǽƶ :**Labelling** ǈĕèǭöä

ɳŸɳ 7.5 :ǦƗèǺèɉä ǦǺşǻǪǭ ǦƗöǺΣä WHO ǯǽǺɣ ǦŧəǺę Ž ǥǭõöä :**Additional information**ĈǦƗǯǺȓǕ ǧǺɳǯŸȞɳ

.âǺèǕ ƙõǺƸƎöä ȸɳ ɳŸɳ 15ş

.ǦŸŸȣɳ îäǺęɉä ȷǯȮǩ Ǽę

REQUIREMENTS ƘǴǚǕƱǩǳ!ƒ

.(45 ǦȞǺȎöä Ȗ4 ǼŸŎä) "Tablets îäǺęɉä" ȎǱǯɉ ǥǻşǺǯɉä ɄøǴŸǩ

$C_{15}H_{21}N_3O$ øäǼȎɳ ȸɳ %110.0 ȸʒ ǼǺȂǺ ɍş %90.0 ȸʒ ȎȎǺ ɍǺɳ ɁŸʒ ƙõǺƸƎöä ǧǺǺèǯǯ ɄəǺǬ îäǺęǕ ɃǯǬƠ

.ǈĕèǭöä ǦęǺȎǭ Ž ƙǴţä

Identity testes ȟĭǋǋǁƐ ǀƐƥƑǴȸǭƐ

ŏǺţä ȸɳ Ȏɳ 10 ȸɳ ǰǺȂɳ ȣǺȒǺ ƙõǺƸƎöä ǧǺǺèǯǯ ɄəǺǬ ȸɳ ɳŸɳ 60 ùǯǺȮǩ ǦęǯȞȆţä îäǺęɉä ȸɳ ǦƗŧõ ƃǕ :A

ȎȆȣǩ .R ȳøǯǯşøǯŸȮöä ȸɳ Ȏɳ 20 ǺŧȽǺɳ Ȏõ ȖƙǬƗŧõ ʒɳ ǥǺǺş TS (ȯ/ȟ80~) ȳǯǺǻǯȎöä ǼƗȆõşøǼƗȽ ȸɳ Ȏɳ 2ş

Ȏɳ 2 Ž ǦöǺŧǯöä ǡäøǩ .ȣǺǺƨä ɁøǬǵ ǺǼǺǴş R ǦƗəǺɳŸöä ȳǯǺǻǯȎöä ǧǺǺŸȆæ ǮǺƶ ȖöǺţǺæ ȳøǯǯşøǯŸȮöä ǧǺòŸǹ

ǨƠ ǦȞǐɉä ǦȎȖǺɳ Ž ɄəǯȒöä ǮƗȖöä âǺƗę" ȷäǯǺʒ ǨƠ ȣǯòǯɳ ǯȽ Ǻŧõ øǺǬǹɍä ʔǺƶş R ȳøǯǯşøǯŸȮöä ȸɳ

ǨƠ ǦȞǐɉä îǺȎǬɳä ǮƗù ȨǯäǯǬǺ .(43 ǦȞǺȎöä Ȗ1 ǼŸŎä) "Spectrophotometry in the infrared region ŏäǺŧΣä

.ƙõǺƸƎŸö ɄȞǱǺţä ǮƗȖöä ʒɳ şǕ ȎǬǺư ǯǕ ɁŸʒ ǯǺȞţä RS ƙõǺƸƎöä ǧǺǺèǯǯ ɄəǺǬ ȸʒ ǰǩǺöä ǮƗȖöä ʒɳ ŏäǺŧΣä

0.01) ȎǺøǯŸõşøǼƗȾä ȒƥȸɳȎɳ 100 ʒɳ ƙõǺƸƎöä ȸɳ ɳŸɳ 15 ùǯǺȮǩ ǦęǯȞȆţä îäǺęɉä ȸɳ ǦƗŧõ ǥǺǩ :B

ƙƗŧȚʒǕ ȸǺǼǵ ǺǬɳǯǬǺǬ 450ş ǺǬɳǯǬǺǬ 310 ƙæ ǼęäǺǺ ǺɳǼǺʒ ȖȯǯŸɉä äøȽ îǺȎǬɳä ǮƗù ɃǼǴǺ .ǴǹǺǺş VS (ȯ/ȯǯɳ

45 ƙæ ȸǺøǯõøţä ǦǱǯǯţä ƃǯù ǼǺʒ ǈè 1 ǦǬǺǺǯæ ǦǴǴù ǧǺòǺǭ ȸǯşäǺǬǩ .ǼǴǺǺȎǩ ǺǬɳǯǬǺǬ 415ş ǺǬɳǯǬǺǬ 332 ǼǺʒ ǼǺʒ

(ȯ/ȯǯɳ 0.01) ȎǺøǯŸõşøǼƗȾä ȒŧǶ Ȏɳ 50 ƃǕ ȯǯŸɉä äøȽ ȸɳ Ȏɳ 5 ǮǺƩ .ƃäǯǬöä ɁŸʒ Ȗ35ş 27 ƙæş Ȗ52ş

225 ǼǺʒ ǦƗŧȚʒǕ ǻşǼǵ ǦǬŸǭ ǺǬɳǯǬǺǬ 310ş ǺǬɳǯǬǺǬ 215 ƙæ ǼęäǺǺ ǺɳǼǺʒ ȖȯǯŸɉä äøȽ îǺȎǬɳä ǮƗù ɃǼǴǺ .VS

Ȗ515ş 495 ƙæ ȎŸǩ ǦǱǯǯţä ȯäǯùǕ ǼǺʒ ǈè 1 ǦǬǺǺǯæ ǦǴǴù ǧǺòǺǭ ȸǯşäǺǬǩ .ǼǴǺǺȎǩ ǺǬɳǯǬǺǬ 282ş ǺǬɳǯǬǺǬ 265ş ǺǬɳǯǬǺǬ

.ƃäǯǬöä ɁŸʒ Ȗ345ş 330 ƙæş Ȗ350ş 335 ƙæş

ȸɳ Ȏɳ 2 ƃǕ .ǴǹǺǺş ȖŏǺţä ȸɳ Ȏɳ 10 ʒɳ ƙõǺƸƎöä ȸɳ ɳŸɳ 25 ùǯǺȮǩ ǦęǯȞȆţä îäǺęɉä ȸɳ ǦƗŧõ ǥǺǩ :C

ĘŋǻȡƟDzÊǺǻǼ ȷζǒ ǰǪǺǺ ǗTS ǑǺǺǪǺǻ Ȍƥ/ǑǺǨÊǻ ÿζǷǪζŋǕ ğǺǺŸȅ ȸŋ Ǒŋ 1ş ǒǺţǻ ȸŋ Ǒŋ 3 ȣǺȒǺ Ǧǵǻȉǻ .(D ǿǺǬǪǹŸǒ Ǧǵǻȉǻ ƟęǺǻ ȘǺƠ) ǥȉǺǦŋ

ȣζȍζţǻ Ǒʒǻǻǻǻ ƟǕȞǺ ǗTS (ȯ/ȟ 130~) ǑǺǺǪǺǻ Ȍƥ ȸŋ Ǒŋ 3 C ǿǺǬǪǹɍǻ Ǧǵǻȉǿ Ɵęǻǻ ʔŸʒ ȣǺȒǺ :D ǦȞǺÔǻǻ Ǖ1 ǼŸǑǻ) ğǻǺǪǼÊŸǒ ǺǼȶȶȭ "Genmeral identification tests ǦŋǺȞǻǻ ȣǻǺȞǪȅɍǻ ğǻǿǺǬǪǹǻ" ȷǻζǺʒ ǨƠ .(121

ǦǪşǻζŋ ǕƙȭǺƸƎǻǻ ȸŋ ȟ 0.15 ǜζǺǑǨ ȧζȞÊţǻ ȸŋ ǦǼȶȭ ǑǑǺǨ .ǺȍǺę 20 ĘȞÊǺş ȷǻζǺ :Assay ǦÊǺǺǑţǻ

ȌŸǺǪÊǺş ǕTS (ȯ/ȟ80~) ÿζǺǻζÔǻǻ ǼǼÊȭşǿǼǼȽ ȸŋ Ǒŋ 5ş ǒǺţǻ ȸŋ Ǒŋ 20 ȣǺȒǺ ǕǑÔζ ʒȶę ƂǕ ǕǦǼǜζǦȒŋ

ǕǬǦǺǺǑǨ Ǒŋ 10 ȴDzǵ ƂǕ ǦȞȶǑǻ ÿǿζζşǿζŸǑǻǻ ğǺȍŸǹ ǺǪǺǦǨ .R ÿǿζζǿζŸǑǻǻ ȸŋ Ǒŋ 25 ǺǷǺŋ Ǒȭ ǕğǺǼȶȭ ʒǻǿǜǻ

ǦǺǺǷǺǻǻ ǦǕǑǪ ȸǪȞǨ ǗVS (ȯ/ȯζŋ 0.1) ǑǺǿζŸȭǨǦǻǻ Ȍȶɯ ǺǺȞǺş ǕR1 ƟDzŸǯǻǻ ǑǼǪǼȅɉǻ Ȍƥ ȸŋ Ǒŋ 40 ȣǺȒǺ

ǼŸǑǻ) A ǦǑǺǺǕǻǻ Ǖ"Non-aqueous titration ƟǻǺŋŸǻǻ ǕȅζǻǻŽ ǥǺǺȞţǻ" ȷǻζǺʒ ǨƠ ȣζȍζŋ ζȽ Ǻȭ ǼǷƨǻ ȃǺǼǑŋ .(142 ǦȞǺÔǻǻ Ǖ1

.$C_{15}H_{21}N_3O$ ȸŋ ŊŸŋ 12.97 ǜζǺǑǺ VS (ȯ/ȯζŋ 0.1) ǑǺǿζŸȭǨǦǻǻ Ȍƥ ȸŋ Ǒŋ 1 Ǒȭ

ø ø ø ø ø

Probencidi compressi

Probencid tablets ǪǏƨǻǦǸƥǦǁǁ ţ ɛƥɜƈ

. ȃǺǑǪ ǻǺȒŋ ǒǻşǻ :**Category** ǦǺǺǻǻ

.ŊŸŋ 500 :ǦǼȅǺȅɉǻ Ǧǹşǻ Ǫǒ ǦǼǻǺΣǻ WHO ǯǻǺʃ Ǧȶǻǹę Ž ǥζǑǻǻ :**Additional information** ǦǼζǺȓǕ ğǺŋζŸȞŋ

REQUIREMENTS ƘǦǖǀƱƙǆž!ƒ

.(45 ǦȞǺÔǻǻ Ǖ4 ǼŸǑǻ) "Tablets ȋǻǺęɉǻ" ǑDZɉ ǥǻşǺζɉǻ ƟøǦŸǺ

Ž ƙǦţǻ $C_{13}H_{19}NO_4S$ ǿǻǼǑŋ ȸŋ %105.0 ȸʒ ǼǺÂǺ ɍş %95.0 ȸʒ ǑǑǺ ɍǺŋ ʔŸʒ ǼǼÊǺǻşƎǻǻ ȋǻǺęǕ ɃζǪƠ .ȴǼȅζǪǻǻ ǦęǺÔǒ

Identity testes ȟǏǸǈǉǁǁ ǀ ɛƥƑǴǇǀ

.Cş B ȷǻǿǺǬǪǹɍǻ şǕ ǨǼǵş A ǿǺǬǪǹɍǻ ĘǦǕǺ •

ǺȭǺǨ ǕǴǹǺǺ ǕTS (ȯ/ȟ750~) ȯζǪǺǯǺǪǻ ʒŋ ǼǼÊǺǻşƎǻǻ ȸŋ ȟ 0.5 ǜζǺǑǨ ǦęζȞÊţǻ ȋǻǺęɍǻ ȸŋ ǦǼȶȭ ȸȞÊǨ

Ž ÿǼǺǪÊǨş TS (ȯ/ȟ457~) ȯζǪǺǯǺǪǻ ȸŋ ǦǻǺȶǯǻǻ ǿζŸǦǨ ǻǺȞǺ .ǴǹǺǨş ǕǻǺȞǨ ǕǺǺǪǦǪǒǺǻ Ƙȣȍ ȴDzǵ ƂǕ Ǧǵǻȉǻ

:A

(43 ...) "Spectrophotometry in the infrared region ...

RS ...

:B Melting temperature : 199 °...

:C ... 220 ... 300 ...

... 225 ... 248 ... 1 ... 248 ...

310 ... 350.

Related substances: ... "Thin-layer chromatography (84 ...) ... R4 ... 15 ...

... 1- ... R ... 3 ... (~17 ...) TS ... 5 ...

... 10 ... 0.2 ... (A) ...

... 9 ... (~17 ...) TS ... (~750 ...) TS ...

... 1 ... (B) ... 100 ...

(254 ...).

... A ... B.

Assay: ... 20 ... 0.2 ...

VS (1 ...) ... 5 ... TS (~750 ...) ... 200 ...

... 70 °... 30 ...

... 5 ... 5 ... 250 ... TS (~750 ...)

(0.1 ...) VS ... 250 ... TS (~750 ...).

... 1 ... 248 ...

$C_{13}H_{19}NO_4S$ ... 33.2 ... ($A^{1\%}_{1cm} = 332$).

Disintegration test ... **Disintegration test** ...

"for tablets and capsules (61 ... 4 ...) ... 30 ...

Pyrazinamidi compressi

Pyrazinamide tablets [illegible]

[illegible] :**Category** [illegible]

[illegible] 500 :[illegible] WHO [illegible] :**Additional information** [illegible]

REQUIREMENTS [illegible]

[illegible] (45 [illegible] 4 [illegible]) "Tablets [illegible]

[illegible] $C_5H_5N_3O$ [illegible] %107.0 [illegible] %93.0 [illegible]

[illegible]

Identity testes [illegible]

- [illegible] C [illegible] B [illegible] A [illegible]

[illegible] 20 [illegible] 0.25 [illegible] :A [illegible] 30 [illegible] 105 [illegible] Spectrophotometry in the infrared [illegible] RS [illegible] (43 [illegible] 1 [illegible]) "region [illegible]

[illegible] 1 [illegible] 50 [illegible] 0.050 [illegible] :B [illegible] 350 [illegible] 230 [illegible] 100 [illegible] 310 [illegible] 268 [illegible] 1 [illegible] 310 [illegible] 268 [illegible] 12.0 [illegible] 11.6 [illegible]

[illegible] 5 [illegible] 0.06 [illegible] :C [illegible] R [illegible] TS (80~) [illegible]

[illegible] :**Related substances** [illegible] 6 [illegible] R4 [illegible] (84 [illegible] 1 [illegible]) "Thin-layer chromatography [illegible] R [illegible] R [illegible] -1 [illegible] 20 [illegible] 10 [illegible]

ÿζDzǵ 9 ǰÂŋ ȸŋ Ōŋ 50 Ʒŋ ÆĿŋǺàǨǤöä ȸŋ ȟ 0.1 ùζǺǑǩ ǦęζΗÊţä î äǺęǰä ȸŋ ǦĿŧõ Ƿ̀ƷǺǨ (A) ŌDZǰ :ƙĿõǺǪöä
ǦĿŧõ Ž ǦöǺŧǯöä ā äǾǩş ȣǺǺƨä ƾøǪǵ ǦǵǺĭÀöä ǺǺǺǦǩ .ǴǺǺş ÛR ȯζǺǯĿţä ȸŋ ÆǵÄş ǈDzǵş R ÿǿζζşǿζẎÖöä ȸŋ
ğǺǤǾţä ǰÂŋ Ōŋ 500 ƂǗ A ȯζŸǂä ȸŋ Ōŋ 1 ȤǺ˂ (B) ȯζŸǂä ŌDZǰ .Ōŋ 10 ǯǺǪq ğǺǤǾţä ǰÂŋ ȸŋ ǦĿζǺõ
Ž gÀĭǺǤŋ āäǺÎǪèrä ÙÛƯ ÒΗǺş ÛöäζȚä Ž ȤDzǪö ōǺǪǩ Ûāä ǺÎǪèrä gÀDzǵ ȸŋ ǦΗĿǺÔöä ţÂøǪ ÆĤæ .¢ÊǺǪ
.(ÀǪŋζǪǺǪ 254) ǦĿDzÊǺǤöä ȧζζ ǦĤĭrä öζȑ

.B ȯζŸǂǺæ ǦŸÔΗǪÊţä ŌŸǩ ȸŋ gÆĭ ǺǯōǗ ÛǦĿÊĿǝÀöä ǦĤŐǤöä öǺǯǪèǺæ ÛA ȯζŸǂǺæ ǦŸÔΗǪÊŋ ǦĤŐæ ǦǺǗ ɉζȮǩ ɍ

ǦǪşàζŋ ÛÆĿŋǺǺàǨǤöä ȸŋ ȟ 0.1 ùζǺǑǩ ȧζΗÊţä ȸŋ ǦĿŧõ ƂǗ .ǺòÀę 20 ĘΗÊǺş ɉàζǺ :**Assay** ǦÊǺǺŌţä
ɄøǩζȒ ȧζζ ÿǺƥ Ž ǯÂς ÛǺǪǺǵǗ ǇşÆǪöä Ʒŋ ÛĘǝǺęǻ 10 gÆŋ ÀŐǪÊĿ ōÀǪş ÛöǺţä ȸŋ Ōŋ 200 ȣǺȒǺ ÛǦĿùζǦȒŋ
ǦǵǺĭÀöä ȸŋ Ōŋ 5 ȤǺ˂ .ǦǵǺĭÀöä ȸŋ Ƃşǰä Ōŋ 20 øöä Ōŧőş ÛǴǺǺĭÀǺ .öǺţǺæ Ōŋ 500 ƂǗ ȤǺ˂ş ÛĘǝǺęǻ 10 gÆŋ
.öǺţǺæ Ōŋ 100 ƂǗ

ȸŋ ʔζǪǂä ÆÊƷş ÛǺǤǺÀŐǩ ÀǪŋ ζǪǺǪ 268 ȯζù ÆǺƷ ɄŧȚƷǰä ǺΣä Ž ǈè 1 ǦǪǺǺǯæ ǦŐǤÛö ȯζŸǂä äǾŁ î ǺǪ âǺŐǺ
.($A^{1\%}_{1cm} = 650$) 65.0 ǦĿòǺŋ ǦŧĿę ÿäÆǺǪèǺæ $C_5H_5N_3O$

ø ø ø ø ø

Injections DžŝӨǁɛ

Ephedrine sulfatis injectio

Ephedrine sulfhate injection DžĭƥǪĭƻĭŬɛ lƑƻǂƨ DžŝӨ

.ȸŐΗŸö ÆĤţä öǺţä Ž ȸǺøÆĿǺǺqä ğǺǺŸè ȸŋ ǈŐĤŋ ȯζŸȚ ɄŁ ȸǺøÆĿǺǺqä ğǺǺŸè ȸŐǵ :**Composition** ƜĿõǺǪöä

.ȣǺò ɉζŸöä ǇÆƷ ȯζŸȚ :**Description** Ȥòζöä

.ζæÀöä ǻǺȒŋ öäşǻ :**Category** ǦǺǺöä

.öζȒöä ȸŋ ȸǺøÆĿǺǺqä ğǺǺŸè ȸŐǵ ǦǺƥ Ƣƺ :**Storage** ȸǺÂǺǪöä

50 :ǦĿèǺèǰä ǦǺşǻǪö ǦĿõǺΣä WHO ǯæǺƴ Ǧŧǝę Ž gζŐöä :**Additional information** ǦĿζǺȓǗ ğǺŋζŸĤŋ
.Ōŋ/ɳŸŋ

.(37 ǦΗǺÔöä Û4 ÆŸŐä Û"ǈĿŐĤǪöä ȧÀù" ÀȚǪä) ǦŧǝƳŋ ǦŐǺÀÛæ ȯζŸǂä ǈŐĤǺ

.(56 ǦȞǺÔǡǟ Û4 ǼǛǑǟ) "Parenteral preparations ǦǼǾΣǟ ğǟȀȒȞǪÊţǟ" ǑǅǱɉ ǵǻşȀƶɉǟ ɁøǤǛǨ
($C_{10}H_{15}NO)_2$, ǿǟǼǑƞ ȸƞ %105.0 ȸȝ ǼǺÂǺ ɍş %95.0 ȸȝ ǑǑǺ ɍ Ǻƞ ɁǛȝ ȸǺǿǼǼǺǺɋǟ ğǺǺǛè ȸǑǵ ɃƶǪƠ
.ǈǼèƶǪǟ ǦęǺÔǒ Ž ƙǤţǟ H_2SO_4

Identity testes ƕǏǋǊǈǁ ǀ ɛƥƑǤǂǪǁ

- .D ş C ş B ğǟǿǺǤǪǹɍǟ şǛ D ş A ɉǟǿǺǤǪǹɍǟ ĘǤÛǺ

ɁøǪǵ ȀȂǤǺş TS (ȯ/ȟ750~) ȯƶǫǺǯǺɋǟ ȸƞ Ǒƞ 5 ȣǺȒǺ ȸǺǿǼǼǺǺɋǟ ğǺǺǛè ȸƞ ȟ 0.1 ȕƶǺǑǺ ȸǑǵ ǈǅǵ ƂǛ
.C ş A ȸǺǿǺǤǪǹɍǟ ǑǅǱɉ ǦǟǺƭǯǟ ȳǼǺǪÊǩ .ǒǟƶƬǟ ȸƞ ɁȀƒ ǵǼȝǺÊƞ ȖǝǺƞ ȳǺƥ Ž ȣǺǺɀǟ
ǨƠ ǦǨȉɉǟ ǦǑÛǺƞ Ž ȖǝƶȒǟ ƵǼÛǟ ȃǺǼę" ɉǟƶǺȝ ǨƠ ȣƶǒƶƞ ƶȽ Ǻƭȭ ǿǺǤǪǹɍǟ ɁȀƺ :A
ǨƠ ǦǨȉɉǟ ȋǺÔǪƞǟ ƵǼù Ęƶǟƶǫǻ .(43 ǦȞǺÔǡǟ Û1 ǼǛǑǟ) "Spectrophotometry in the infrared regionǒǟȀƭΣǟ
.ȸǺǿǼǺǺɋǟ ğǺǺǛÊǒ ȖǨǅȀţǟ ƵǼÛǟ ȝƞ şǛ RS ȸǺǿǼǼǺǺɋǟ ğǺǺǛè ȸȝ ǰǩǺǡǟ ƵǼÛǟ ȝƞ ǒǟȀƭΣǟ
.ȀÊǼƞ ɃȀǺşǼǩ ǕȸǑȞǛǒ Optical rotation ɃȀÔǤǟ ȀǺşǼǪǟ ȃǺǑǺ :B
øǞ ȝǤǪƚ ǕTS (ȯ/ȟ80) (II) ȃǺȞǺǟ ğǺǺǛè ȸƞ Ǒƞ 0.1 ȣǺȒǺş ǒǺţǟ ȸƞ Ǒƞ 1 Ž ǦǟǺƭǯǟ ȸƞ ƞǛƞ 10 ȃǟǾǺ :C
R ȯƶǫǺǩƶǞ-1 ȸƞ Ǒƞ 2 ȯƶǛɇǟ ǟǾȽ ƂǛ ȣǺȒǺ .ȖǅƶÊǺǞ ɉƶǒ ǰǪǺ ǕTS (ȯ/ȟ80~) ȳƶǺǻƶÔǟ ǼǼÊȭşǿǼȽ ȸƞ Ǒƞ 2
.ȯƶǫǺǩƶǤǟ ǦǑǤù Ž ȀƭƮ ȖǅƶÊǺǞ ɉƶǒ ǰǪǺ ǕǤȀş
"Genereral identification tests ǦƞǺȞǟ ȣǟȀǪèɍǟ ğǟǿǺǤǪǹǟ" ɉǟƶǺȝ ǨƠ ȣƶǒƶţǟ A ǑȝǺǪǟ ȸǑΣǟ ȖǛȞǩ :D
.(123 ǦȞǺÔǡǟ Û1 ǼǛǑǟ) ğǺǺÊǛǒ ȀǼƭƭȭ

.7.0 - 4.5 ÛȸǑΣǟ ǑǅǱɉ ǒǺȽǺǤǟ :**pH value** ǒǺȽǺǤǟ ǦƭǼę

ǦǑǼęȀǟ ǦǑǤÛǟ ȃǟȀȊǪèǟ" ɉǟƶǺȝ ǨƠ ȣƶǒƶƞ ƶȽ Ǻƭȭ ǿǺǤǪǹɍǟ ɃȀƺ :**Related substances** ǦǒǺȊţǟ ǻǟƶţǟ
80 ȸƞ ǰǺÂƞş ǦǛǛȣƞ ǵǻǺƭȭ R1 ǺǑǼǛǼÊǒǟ ǦƞǛȽ ȳǟǼǺǪèǺǞ Û(84 ǦȞǺÔǡǟ Û1 ǼǛǑǟ) "Thin-layer chromatography
.ȭȀȞǪƞ ǿƶÛȭ R ȳǿƶƶşǿƶǛǑǟ ȸƞ ȳǺǅǵǛ 5ş TS (ȯ/ȟ260~) ǺǼǪƶƞɉǟ ȸƞ ǺƭǅǵǛ 15ş R ȯƶǫǺǞşȀǞ-2 ȸƞ ǺƭǅǵǛ
ȸƞ ȟ 0.1 ȕƶǺǑǺ ȸǑΣǟ ȸƞ ǈǅǵ ƵǻƩ (A) ǑǅǱɉ :ƙǼǑǺǪǟ ƙǒƶǛɇǟ ȸƞ ȀǪǒşȀǑƞ 10 ǦȞǼǺÔǟ ɁǛȝ ǛǑÔǺǺƞ ĘǤÛǺ
.R ȯƶǫǺǯǼţǺǞ Ǒƞ 100 ƂǛ A ȯƶǛɇǟ ȸƞ Ǒƞ 0.5 ƵǻƩ (B) ȯƶǛɇǟ ǑǅǱɉş ÛR ȯƶǫǺǯǼţǺǞ Ǒƞ 5 ƂǛ ȸǺǿǼǼǺǺɋǟ ğǺǺǛè
ƶǪǼȭ ȖǪǛǯǟ ğǟǿǼȽ ȸƞ ȟ 0.2 ȸƞ ǰǺÂƞ ǻȀǩ ÛǒǟƶƬǟ Ž ƵǅƶǪǒ ȭȀǪǩ Ûȃǟ ȀȊǪèɍǟ ǵȀǅǵ ȸƞ ǦȞǼǺÔǟ ţÂøǫ ǼȞǞ
ǿ105ǦǅǿǼǺǞ ȸǺÊǺş ǕTS (ȯ/ȟ120~) ǑǼǪèɉǟ Ȁƥ ȸƞ Ǒƞ 5ş R ȯƶǫǺǩƶǞ-1 ȸƞ Ǒƞ 95 Ž ǦǟǾƞ R ȸǺǼǺǿǼȽ
.ǿǺƬǺǟ ǒƶȉ Ž ȃǟȀȊǪèɍǟ ǕÛƯ ǑȞǺǺ .ĘǝǺęǻ 5 ǵǼƞ

ןקOּ ǦȞŌǣ ǦȂǕ Ōŧő .B òקǛǂȦǣ ǦǛÔȞǪÊţǟ ŌǛǨ ȸŋ ǥǼĭ ȦǰõǕ A òקǛǂȦǣ ǦǛÔȞǪÊŋ ǦȂקǬȦǭ ǦȞŌǣ ǦȂǕ ןקOǨ ɾ
.ǦǼȦǛǩǟ ןקǒ ȸŋ ȤǹǕ ȦŒקǒ

ȤȦƩ ǕŌòȦק ƂǕ ȸȂǿǼǼȦȂqǟ ğȦȂǛè ȸŋ ȟ 0.25 ùקȦOȂ ȸŌƩǟ ȸŋ ǦǼùקǦȒŋ ȄǼŌŋ ǱǄǵ ŌŌȂ :**Assay** ǦÊȂȦŌţǟ ȸŋ Ōŋ 5 ȢȦȒȂ Ż ǕòקǛǂǟ ţȦǦìq R ÿקȂǻקÔǟǟ ǼȂǿקǛõ ȸŋ ȟ 3 ȢȦȒȂ ǕǼǦȂȦŌǨ Ōŋ 10 ƂǕ ŏȦţȦǣ ǥǿşȦȒǟǟ ǼȂȝ ŌÊȢǨ .R ÿǿקקǿקǛOǟǟ ȸŋ Ōŋ 25 øǣ ǥȦŋ Ōõ ǕğǟȦŋ 4 ȌǛǺǪÊȂş ǕVS (ò/òקŋ 1) ÿקȂǻקÔǟǟ ǼǼÊõşǿǼǼȽ ɁŌȂŋ ȸǕę òƳǹ ȸŋ ǴȓȦȂş ǕR ÿקȂǻקÔǟǟ ǼȂǿקǛOǒ ȝǦÎţǟ òקǛǂǟ ȸŋ Ōŋ 10 øǣ ǦȞŧŎǟ ÿǿקקşǿקǛOǟǟ ğȦòƳǹ ÿǿקקǿקǛOǟǟ ǦòƳǹ ƂǕ ȢȦȒȂş ÿǿקקşǿקǛOǟǟ ȸŋ Ōŋ 10 ȝŋ ǶǝȦţǟ ŌÊȢǟǟ òקǛƮ ȩȦȂ .R ÿǿקקşǿקǛOǟȦǣ ȝǦÎŋ ǕVS (ò/òקŋ 0.1) ןȦÊõקȂǼǟǟ/ŌȂǿקǛõǨǦǟǟ Ȓŧɯ ȦȂȦȞȂş TS òקǬȦǰȂqǟ/ŌǼǰǼţǟ ǥȦƥ ȸŋ Ōŋ 0.25 ȢȦȒȂ .ǦÊǼǝȦǟǟ ǦȞȦÔǟǟ Ǖ1 ǼǛŌǟ) A ǦŌȂȦǕǟǟ Ǖ"Non-aqueous titration ǶǝȦŋƳǟǟ ǕèקǟǟŽ ǥȦȂȦȞţǟ" ןǟקȂȝ ǨƠ Ȣקòקŋ קȽ Ȧŧõ
.(142

.$(C_{10}H_{15}NO)_2, H_2SO_4$ ȸŋ ŊǛŋ 21.43 ùקȦOȂ VS (ò/òקŋ 0.1) ןȦÊõקȂǼǟǟ/ŌȂǿקǛõǨǦǟǟ Ȓ ƥ ȸŋ Ōŋ 1 Ōõ

Ergometrini hydrogenomaleatis injectio

Ergometrine hydrogen maleate injection ǅĭƥǂǅǈȝƥǛǫ ǅĭɯǈƥǪĭǰ ǉǹǁǅǈ ǅǆƟ

ǨǅşǿǼǼȽ ğȦǼŌȦŋ ȸŋ ǱŌȞŋ òקǛƮ ǶȽ ȸȂȦǪŋקȡǿɉǟ ǨǅşǿǼǼȽ ğȦǼŌȦŋ ȸŌǵ :**Composition** ǼǼõȦǪǟǟ
.ȸŌȞǛǒ ǼȞţǟ ŏȦţǟ Ž ȸȂȦǪŋקȡǿɉǟ

.ȤǼȦǹ ȦȂòǕ ƂǕ ןקǛǟǟ ǠǼȝ òקǛƮ :**Description** Ȥòקǟǟ

.ǥǻɽקǛǒ ŌǷקȞŋ ŏǟşǻ :**Category** ǦȦȂǟǟ

ȸŋ ɁŧƠ ןǕş ǕǦȝȦƨǟ ǥǼǵş ğȦȂşȦǵ Ž ȸȂȦǪŋקȡǿqǟ ǨǅşǿǼǼȽ ğȦǼŌȦŋ ȸŌǵ ȘȦǵ Ǽƨ :**Storage** ȸȂȦǺǪǟǟ
.ǻǿȦǣ ןȦOŋ Ž ןȦơş ŏקȒǟǟ

.ǦǼǵƳÔǟǟ ŏȦƬǪǟǟ ǸȂǿȦǨ :**Labelling** ǱǼèקǪǟǟ

200 :ǦǼèȦèɉǟ ǦȂşǻǪǒ ǦǼǟȦƩǟ WHO ǯǣȦǛ Ǧŧǝȥ Ž ǥקŌǟǟ :**Additional information** ǦǼקȦȓǕ ğȦŋקǛȞŋ
.Ōŋ/ÿǟȦȡşȦOŋ

ǥǼòקţǟ Ž ǨǺÊǪǟǟ" øǣ ǱȂȞŋ òקǛǂǟ .ǱǝƳŋ ǨǰǰŋɁǛȝ ȸȂȦǪŋקȡǿqǟ ǨǅşǿǼǼȽ ğȦǼŌȦŋ ȸŌǵ ɃקǪƠ Ǽę
Ǖ4 ǼǛŌǟ Ǖ"Methods of sterilization ǱǼȞǪǟǟ ȧȦù" ȦȚǬǟ) ǦŧǝƳŋ ɁȦǹǕ ǦŌȂȦǕǣ şǕ "Heating in an autoglave

.(37 ǦHǇÀÔöä

REQUIREMENTS ƘǤǆǃƱƙďž!ƒ

.(56 ǦHǇÀÔöä Û4 ǼŸÕä) "Parenteral preparations ǦƗÀŌΣä ğäÀȒHǇǪÊţä" ŌDZɉ gǻşÀzɉä ƱøǤŸÀ
øäǼŌŋ ȸŋ %110.0 ȸȝ ǼÀÂÀ ɍş %90.0 ȸȝ ŌÕÀ ɍ Àŋ ɁŸȝ ȸÀÀǪŋzȡøqä ƙDZşøǼƗŁ ğÀƗöÀŋ ȸŌǵ ɃzǪƠ
.ȴƗèzǪöä ǦęÀÔö Ž ƙǤţä $C_{19}H_{23}N_3O_2,C_4H_4O_4$

Identity testes ȟŭĬNjNJ!Ɛ l ƐƥƑǤƗƢ]Ɛ

ǦƗÊƗəÀöä ǦȞŌǤöä ƸzäzǪǩ ."Related substances ǦŏÀÎţä ǻäzţä" ȷäzÀȝ ǨƠ Ȣzòzţä øÀǤǪǹɍä ƂǙ ÀȚǪä :A
.E ȯzŸɉÀæ ǦŸÔHǇǪÊţä ŌŸǩ ȝŋ gǼÎöäş ÀƬȚţäş ȝęzţä Ž A ȯzŸɉÀæ ǦŸÔHǇǪÊţä
Ōŋ 2ş ŏÀţä ȸŋ Ōŋ 0.5 ȢÀȒÀ ȸÀÀǪŋzȡøqä ƙDZşøǼƗŁ ğÀƗöÀŋ ȸŋ ȠŸŋ 0.1 ȕzÀÒÀ ȸŌΣä ȸŋ ȴDzǵ ƂǙ :B
.ŏǛǤæ ƱDzÊÀÀæ ȷzö ǰǪÀÀ ÜTS1 ǼƗŁǼöäÂøÀæ zǼŋǙ ŌƗǯŋ ƱəÀǪ -4ş
.3.5-2.7 ÛȸŌΣä ŏÀŁÀæ :**pH value** ŏÀŁÀǤöä ǦȶƗę

ǦŌƗęÀöä ǦŌǤÛöä ǟäÀÎǪèä" ȷäzÀȝ ǨƠ Ȣzòzŋ zŁ Àȶõ øÀǤǪǹɍä ɃÀƶ :**Related substances** ǦŏÀÎţä ǻäzţä
ǼƗÊõşøǼƗŁ Ž R1 ÀÒƗŸƗÊöä ǦŋŸŁ ƸŸȟŋ ȳäǼǺǪèÀæ Û(84 ǦHǇÀÔöä Û1 ǼŸÕä) "Thin-layer chromatography
øzÛõ R ȯzǷǯƗţä ȸŋ ǼǵäşȴDzǵş R ȳøzzşøzŸÒöä ȳzDzǵ 9 ȸŋ ǰÀÂŋş ǦŸŸȢŋ gǻÀȶõ VS (ȯ/ȯzŋ 0.1) ȳzÀǻzÔöä
1 ȕzÀÒÀ ȸŌΣä ȸŋ ȴDzǵ ÀȺǼǤÀ (A) ŌDZɉ :ǦƗöÀǪöä ǦȞæøɉä ŌƗöÀɉä ȸŋ ÀǪöşÀÒŋ 5 ǦHǇǼÀÔöä ɁŸȝ ȸŸÔÀÀŋ ƸǷÛÀ .ŏȹHǇǪŋ
zŸƗõ 0.6 ÀşÀDzǪÀ ɍ) ȐÀǺÀŋ Ȕȣȑ ǨƠ ȳȳ 20 ǦDZøǼöÀæ ȢÀÀƨä ɁøǪǵ ȸÀÀǪŋzȡøqä ƙDZşøǼƗŁ ğÀƗöÀŋ ȸŋ ȠŸŋ
ȯzǷǯƗţä Ž (E)ş (D)ş (C)ş (B) ŌƗÀȚ ÀȒƠ ÛR ȯzǷǯƗţä ȸŋ Ōŋ 0.25 Ž ǦöÀȶǯöä ǟäøǩş Û(ƸǤəä ȴŋ 5 şǙ ȯÀÒèÀæ
ȸÀÀǪŋzȡøqä ƙDZşøǼƗŁ ğÀƗöÀŋ ȸŋ ƃäzǪöä ɁŸȝ ÛŌŋ/ȠŸŋ 4ş Ōŋ/ȠŸŋ 0.4ş Ōŋ/ȠŸŋ 0.2ş Ōŋ/ȠŸŋ 0.1 ɁŸȝ ǦÀzǪȚ R
ŏzȑ Ž ǟäÀÎǪèɍä ÙÛƯ ÒHǇÀÀş ÛöäzȚä Ž ȤDzǪö õÀǪǩ ÛǟäÀÎǪèɍä gÀDzǵ ȸŋ ǦHǇǼÀÔöä ţÂøǪ ǼȞæ .RS
.TS2 ǼƗŁǼöäÂøÀæ zǼŋǙ ŌƗǯŋ ƱǪŸǪ-4 øæ ÀȴǽøǼȞæ øÀƬÀöä ŏzȑ Žş (ÀǪŋzǷÀǪ 365) ǦƗDzÊÀÀǤöä ȧzz ǦȞȉɉä
Cş B ŌƗöÀɉÀæ ǦŸÔHǇǪÊţä ȝŌǤöä ƂǙ ţzDZÀöÀæ A ȯzŸɉÀæ ǦŸÔHǇǪÊţä ǦƗÊƗəÀöä ǦȞŌǤöä ŏÀǻǯǪèÀæ ǦȞŌæ ǦÀǙ gǼȉ ȴȹŌǩ
ÛgǼǵäş ǦȞŌæ ǼDZzǩ ɍ ÛŌöæ ƂǙ ǦzÀȑǙ .ǦƗÊƗəÀöä ǦȞŌǤöä gǼȉ ȸŋ %10 ǦȶƗȹŌţä ǦƗŸÒöä ğäǼÎöä ÀşÀDzǪǩ ɍ ÜDş
.B ȯzŸɉÀæ ǦŸÔHǇǪÊţä ŌŸǩ ȸŋ gǼȉ ÀǯõǙ ÛA ȯzŸɉÀæ ǦŸÔHǇǪÊţä ÛǦƗÊƗəÀöä ǦȞŌǤöä ŏÀǻǯǪèÀæ
.ǦÊÀÀŌţä ȯŸǹ ŏzȒöä ȸŋ ŌƗöÀɉä ɁȶƠ ȷǙ Ǽƶ :ǦȚǵŸŋ :**Assay** ǦÊÀÀŌţä
ğÀƗöÀŋ ȸŋ Ōŋ/ȠŸŋ 0.04 ȠŸǤÀ ÀƗõÀǩ ǯÀǪq ȸŌΣä ȸŋ ǦƗȕzǤȒŋ ȄƗŌŋ ȴDzǵ ŏÀţä ȸŋ ǦƗzÀõ ǦƗȶÒæ ȤÀƩ
ƂǙ ǻȹÀ ÛǯÂƩ ÜTS1 ǼƗŁǼöäÂøÀæ zǼŋǙ ŌƗǯŋ ƱǪŸǪ -4 ȸŋ Ōŋ 6 ȢÀȒÀ Ōŋ 3 ƂǙ ÛǼǤÀÀŌǩ ȸÀÀǪŋzȡøqä ƙDZşøǼƗŁ

[illegible] 30 [illegible]
[illegible] 454 [illegible] 1 [illegible]
[illegible] $C_{19}H_{23}N_3O_2,C_4H_4O_4$ [illegible]
.RS [illegible]

ØØØØØ

Melarsoproli injectio

Melarsoprol injection [illegible]

[illegible] :**Composition** [illegible]
.[illegible] %5 [illegible]

.398.3 :**Relative molecular mass** [illegible]

:**Chemical name** [illegible]

2-[4-(4,6-Diamino-1,3,5-triazin-2-ylamino)phenyl]-1,3,2-dithiarsolan-4-yl-methanol; CAS Reg. No. 494-79-1.

[illegible] :**Description** [illegible]

.[illegible] :**Category** [illegible]

.[illegible] :**Storage** [illegible]

.%3.6 :[illegible] WHO [illegible] :**Additional information** [illegible] "Methods of sterilization [illegible] "Heating in an autoglave [illegible] 37 [illegible] 4 [illegible].

REQUIREMENTS [illegible]

.(56 [illegible] 4 [illegible]) "Parenteral preparations [illegible]
[illegible] $C_{12}H_{15}AsN_6OS_2$ [illegible] %3.8 [illegible] %3.4 [illegible]
.[illegible]

Identity testes ħŭŇǌŊǁǁĲ Ɩ ƐƥƑǴƇƖƐ

Ž ȡƾÂÊƛş TS ȁşøźȦèźźźǴƮȁ Ȑ þ ȡƞ Ōƞ 5 8ȦȒƛ ȯşȦæźèøŸƗţȁ ȡƞ ȠŸƞ 35 ȕźȦȮƛ ȡŐǵ ȴDzǵ ƂǗ :A
.ŏȁȀȦȍ ǴæȦèø ǰǪǺǩ ÜɄəȦƞ ÿȦþ

TS (ȯ/ȟ300~) ÿźƛåźÔȍȁ ÆƗÊõşøÆƗȽ ȡƞ Ōƞ 4 8ȦȒƛ A øȦǴǪȵȑȁ Ž ŌȶȞǪÊţȁ ŌǪȦƩ ȡŐǵ ȴDzǵ ƂǗ :B
.ȧøȁǗ ƂǗ R Ȁþǂȁ ȄȶȊȍȁ åȦǴȝ ȧøş ȷźȍ ÆŸŌƛ øȦŅ ÆȝȦÔǪƛ ÜȷÆŸ8ȍȁ ʔøǪǵ ȡƾÂÊƛş

ȦƗǪźƞǂȁ ȡƞ Ōƞ 1ş ŏȦţȁ ȡƞ Ōƞ 2 8ȦȒƛ A øȦǴǪȵȑȁ Ž ŌȶȞǪÊţȁ ŌǪȦƩ ǬȍȦǪ ȡŐǵ ȴDzǵ ƂǗ :C
ŌƛȀǪȦȍȁ Ȑ þ Ž Ǵæȁƹæ ŏȁȀȦȍ ǴæȦèø ǰǪǺǩ ÜTS (ȯ/ȟ40) ǴȒȦȍȁ ğȁȀǪǪ ȡƞ Ōƞ 3ş TS (ȯ/ȟ260~)
.TS (ȯ/ȟ1000~)

. $d_{20}^{20} = 1.050 - 1.056$ **:Relative density** ǴƗǴÊȦȍȁ ǴźȦǯȮȍȁ

ȡƞ Ōƞ 4 8ȦȒƛ ȯşȦæźèøŸƗţȁ ȡƞ ȟ 0.18 ȕźȦȮƛ ȡŐǵ ȴDzǵ ƂǗ **:Inorganic arsenic** ɃźȒȝŸȍȁ ȐƗǪøÂȍȁ
ÛǴæȦèø ǰǪǺǩ ÜTS (ȯ/ȟ190~) ŌƛøźȦŸÊȍȁ Ȑ þ ȡƞ Ōƞ 3 8ȦȒƛş ÛȸȝȀƛ ÛVS (ȯ/ȯźƞ 1) ÿźƛåźÔȍȁ ÆƗÊõşøÆƗȽ
ƂǗ ǴƗźȦÔȍȁ Ǵǵȁȉȁȍȁ ȡƞ Ōƞ 10 ƵȦƩş ÛǴǹȉȀƛ ÛĘəȦęå 3-2 ǥÆƞ ȀŐǪÊƗƠ ŌȀǪƛ .ȝÂƩş ÛŏȦţȁæ Ōƞ 50 ƂǗ ƵȦƩş ÛȸȝȀƛ
ȐƗǪøÂȍȁ ŌDZǂ ɃÆƩȁ øȦǴǪȵȑȁ" ȷȁźȁȝ ǨƠ 8źȍźƞ źȽ ȦȶÕ ȝæȦǪƛş ȯźŸǂȁ ȁØȽ ȡƞ Ōƞ 30 ÿÆÂǪÊƛ .ŏȦţȁæ Ōƞ 100
.ȟ/ÿȁȀȡşȀȮƞ 30 ȡȝ ȐƗǪøÂȍȁ ȡƞ ʔźǪǂȁ ÆƛÂƛ ȑ Ü(130 ǴɄȦÔȍȁ Û1 ÆŸŎȁ) "Limit test for arsenic

ȡƞ ǥÆȉ ȀǯõǗ ȦƇźŸǩ ȷźȮƛ ȑş ǴƗźȦȍ ȡŐƩȁ ȷźȮǩ **:Clarity and colour of solution** ȯźŸǂȁ ȷźȍş ŏȦȀÔȍȁ
"Colour of liquids Ōəȁ źÊȍȁ ȷźȍ" ȷȁźȁȝ ǨƠ 8źȍźƞ źȽ ȦȶÕ ǴǪøȦŌţȁ ɃȀƟ ȦƞÆȁȝ Yw3 ɃøȦƗȞţȁ ȷźŸȍȁ ȯźŸȚ
.(53 ǴɄȦÔȍȁ Û1 ÆŸŎȁ)

Determination of water by ȀȊƗź ȯøȦõ ǴŌƛȀÛæ ŏȦţȁ ƙƗȞǩ" ȷȁźȁȝ ǨƠ 8źȍźƞ źȽ ȦȶÕ ƙȞƛ **:Water** ŏȦţȁ
ȡȝ ŏȦţȁ ʔźǪȚ ŌŌƛ ȑ ÜȡŐƩȁ ȡƞ ȟ 0.5 ÿÆÂǪÊƛ Û(145 ǴɄȦÔȍȁ Û1 ÆŸŎȁ) A ǴŌƛȀÛȍȁ "the Karl Fischer mothod
.ȟ/ȠŸƞ 60 ȡȝ ÆƛÂƛ ȑş ȟ/ȠŸƞ 40

ǴŸDZźǵ ƂǗ ȯşȦæźèøŸƗţȁ ȡƞ ȟ 0.18 ǴæȁȀȩ ȕźȦȮƛ ȡŐƩȁ ȡƞ ǴƗȕźǴȒƞ ȄƗŌƞ ȴDzǵ ŌŌƛƛ **:Assay** ǴÊƛȦŌţȁ
40ş TS (ȯ/ȟ1760~) ŌƛøźȦŸÊȍȁ Ȑ þ ȡƞ Ōƞ 12 ȡƞ ǰƛȀƞ 8ȦȒƛ ÆƛƎǪȍȁ ȯŸȵş ÛŌƞ 200 ȦƬǪȞè ĘȦȞȍȁ ǴŸƛźȕ
ǴŸDZźƩȁ Ęƛȝ Ž ȐƗæǗ øȦŅ ÆȽȦȊƛ ʔøǪǵ øØǥş ƵÛŸæ ȡƾÂÊƛ .TS (ȯ/ȟ330~) ƙDZşøÆƗȽȁ ÆƗÊõşƘæ ȡƞ Ōƞ
ȡƾÂÊƛş R ȦȊȦȍȁ ȡƞ ȟ0.05ş R ÿźƗèȦǩźǴȍȁ ğȦȀŸè ȡƞ ȟ 8 8ȦȒƛ ÛȲŸƗŸȩ åȦȞƛ .(ǴŐƗęå 60 – 45 :ƙÂÊǪȍȁ ǥÆƞ)
ǴŸDZźǵ ƂǗ ŌŌƛƛ .ŏȦţȁ ȡƞ Ōƞ 70 ŏȔǴæ 8ȦȒƛş ÛåȦȞƛ .(ǴŐƗęå 90-60 :ƙÂÊǪȍȁ ǥÆƞ) ȷźŸȍȁ ȯȁşȁ ʔøǪǵ ȷȦƗŸ8ȍȦæ
ȯŸȵ ŏȔǴæ 8ȦȒƛ Ż ÛTS ȯźǪȦǯȀǪȁ/ƙȦŏȦǯź ȯźƗÆȦȍȁ ȡƞ Ōƞ 0.05 8ȦȒƛ ÛŏȦţȁ ȡƞ Ōƞ 50 øæ ƵÛȊƛ ÛǴƗȕşȀƯ
ȀǪǗ ǥȀÛę Û8ȦȒƛ .ƵƗȦȵ ɄŸȦǪȀȩ ȷźȍ ȀƬŢƛ ʔøǪǵ TS (ȯ/ȟ300~) ÿźƛåźÔȍȁ ÆƗÊõşøÆƗȽ ȡƞ Ōƞ 40-30 ÆƛƎǪȍȁ

R ȳǫǡǻǫÔöä ƙǱȿǿǼȽ ğǻǫǟǻǟÕ ȸŋ ȟ 3 ȣǻȒǡ ǯ ÛɹǫŸöä ȯäǡɫ ɁøǪǵ TS ($\dot{o}$/ȟ190~) ȬǡǿǫǞŸÊöä Ȕ Ƿ ÛgǞÛę
.VS ($\dot{o}$/$\dot{o}$ǫŋ 0.05) ǻǫȴǡǟǡ ǞǡȞǡ .ǒǡʈä ȸŋ Ȭŋ 50ȿ
.$C_{12}H_{15}AsN_6OS_2$ ȸŋ ŊŸŋ 19.92 ȕǫǡȮǡ VS ($\dot{o}$/$\dot{o}$ǫŋ 0.05) ǻǫȴöä ȸŋ Ȭŋ 1 Ȭȭ

ø ø ø ø ø

Metronidazoli injectio

Metronidazole injection üǊȐǬǐǍǊƥŁĭǱǏǁ ǄǆƟ

.ȸȬȞŸö ǼȞʈä ǒǡʈä Ž ȯȿàǟǼȴȿǞǪȽʈä ȸŋ ȴȬȟŋ ȯǫŸȚ ɄŁ ȯȿàǟǼȴȿǞǪȽʈä ȸȬǵ :**Composition** ǢȽȭǞǪöä

.ɹǫŸöä ǄǼɜ ȯȿàǟǼȴȿǞǪȽʈä ȯǫŸȚ :**Description** Ȥ ȍǫöä

.ǦǤȽŋɉä ǻǡȒŋ ǒäȿǻ ÜɄŋǫǪǞǱ ǻǡȒŋ ǒäȿǻ :**Category** ǦǞǞöä

.ǒǫȒöä ȸŋ ɁȶƠ ɹǜȿ ÛǦɜǞƨä ǵǼȽǵȿ ğǡȿǡǵ Ž ȯȿàǟǼȴȿǞǪȽʈä ȸȬǵ ȘǡǵǼƶ :**Storage** ȸǡÂǺǪöä

.Ȭŋ/ŊŸŋ 5 :ǦȽǟǡèɉä ǦǞȿǻǪö ǦȽöǞȜä WHO ǯǽǡʃ ǦȶǝǞę Ž ǵǫȬöä :**Additional information** ǦȽǫǡȓÛ ğǡŋǫŸȞŋ
.(37 ǦȞǞÔöä Û4 ǼŸȬä Û"Methods of sterilization ȴȽȬȞǪöä ȧǞü" ǞȚǪä) ǦȶəŸŋ ǦȬǞǞÛǟ ȴȬȞŋ ȯǫŸɫä

REQUIREMENTS ƘǦǛǁƱǨǆ!ƒ

.(56 ǦȞǞÔöä Û4 ǼŸȬä) "Parenteral preparations ǦȽȬȝä ğäǞȒȞǪȆʈä" ȬǱɉ ǵǻȿǞǫɉä ɄøǦŸǡ
Ž ƙǦʈä $C_6H_9N_3O_3$ ǿäǼȬŋ ȸŋ %110.0 ȸɜ ǼǡÂǡ ɍȿ %90.0 ȸɜ ȬȬǡ ɍ ǡŋ ɁŸɜ ȯȿàǟǼȴȿǞǪȽʈä ȸȬǵ Ƀǫ ǪƠ
.ȴȽèǫǪöä ǦęǡȮö

Identity testes ȟĭǊǇǁ ǀ ǮƥƑǦǂǁ

Ȕ Ƿ Ȭŋ 1 ȸŋ ǢȭǞŋ ğǡǦǡǾʈä ɈǞÂŋ Ȭŋ 100 ƂÛ ȯȿàǟǼȴȿǞǪȽʈä ȸŋ ŊŸŋ 20 ȕǫǡȮǡ ȸȬǵ ȴǱǵ Ȥǡȿ :A
ȳäǼǺǪèǡǟ Ȭŋ 10 ƂÛ ȯǫŸɫä äǾŁ ȸŋ Ȭŋ 1 Ȥǡȿ Ż .R ȯǫǪǡǯȽʈä ȸŋ Ȭŋ 350 Ž TS ($\dot{o}$/ȟ1760~) ȬǡǿǫǞŸÊöä
ɜŋ ǞȽȶȭ ŸǪǡǪ ÛǞǪŋǫǪǡǪ 350ȿ ǞǪŋǫǪǡǪ 220 ƙǟ ǢęäǞǡ ǡŋǼǡɜ ÛȯǫŸɫä äǾŁ ȋ ǡȬǪŋä Ȥȴü ɃǼǦǡ .ȼÊǡǪ ğǡǦǡǾʈä ɈǞÂŋ
.ȼÊǡǪ ğǡǦǡǾʈä ɈǞÂŋ Ž RS ȯȿàǟǼȴȿǞǪȽʈä ȸŋ Ȭŋ/ȳäǞȡȿǞȮŋ 20 ȯǫŸȚ
R ǼȽȽǼäǞǡøǡǟ ǫǼŋÛ ȬȽǯȽŋ ɄəǡǪ-4 ȸŋ ȟ 0.05 ȣǡȒǡ ȯȿàǟǼȴȿǞǪȽʈä ȸŋ ŊŸŋ 5 ȕǫǡȮǡ ȸȬȝä ȸŋ ȴǱǵ ƂÛ :B
ȬǪÂöä ȧǫȞÊŋ ȸŋ ȟ 0.05 ȣǡȒǡ .ǡǞÔŋ ɹǫö ɈǪǞǡ ÜTS ($\dot{o}$/ȟ70~) ȬǡǿǫŸȭȿǿǼȽȚä Ȕ Ƿ ȸŋ Ȭŋ 2 Ž ǦäǾŋ
.ƂǡȬǩƎöä Ǟ Ƿ ɉä ƂÛ ɹǫŸöä ȯǼǼǦǪǡ ÜR

.7.0-4.5 ÛȸȬȝä ǒǡŁǡǟ :**pH value** ǒǡŁǡǦöä ǦȶȽę

[illegible] :**Related substances** [illegible]

R [illegible] R4 [illegible] (84 [illegible] 1 [illegible]) "Thin-layer chromatography [illegible] (A) [illegible] 10 [illegible] 5 [illegible] 0.05 [illegible] 10 [illegible] R [illegible] -5- [illegible] -2 [illegible] 20 [illegible] (B) [illegible] .R [illegible] R [illegible] .([illegible] 254) [illegible]

.A [illegible] B [illegible]

[illegible] 10 [illegible] :**Assay** [illegible] 80 [illegible] 100 [illegible] VS ([illegible]/[illegible] 0.1) [illegible] 200 [illegible] 5.0 [illegible] VS ([illegible]/[illegible] 0.1) [illegible]

[illegible] 277 [illegible] 1 [illegible] $C_6H_9N_3O_3$ [illegible] 37.7 ($A^{1\%}_{1cm} = 377$).

"Test for pyrogens [illegible] :**Pyrogens** 15 [illegible] 1 [illegible] (165 [illegible] 1 [illegible]) [illegible].

ØØØØØ

Prednisoloni et natrii phosphatis injectio

Prednisolone sodium phosphate injection [illegible]

[illegible] :**Composition** [illegible].

[illegible] :**Description** [illegible].

[illegible] :**Category** [illegible].

[illegible] :**Storage** [illegible] 15 °[illegible].

[illegible] 20 [illegible] **Labelling** [illegible]

[illegible] 20 [illegible] WHO [illegible] **Additional information** [illegible] 25 [illegible].

[illegible] "Filtration [illegible]" [illegible] "Methods of sterilization [illegible]" 4 [illegible] 37 [illegible].

REQUIREMENTS [illegible]

[illegible] "Parenteral preparations [illegible]" (56 [illegible] 4 [illegible]).

[illegible] %110.0 [illegible] %90.0 [illegible] $C_{21}H_{28}O_5$ [illegible].

Identity testes [illegible]

A: [illegible] "Thin-layer chromatography [illegible]" [illegible] R4 [illegible] (84 [illegible] 1 [illegible]) [illegible] 6 [illegible] -1 [illegible] R [illegible] R [illegible] 5 [illegible] (A) [illegible] 2 [illegible] 27 [illegible] RS [illegible] 10 [illegible] (B) [illegible] A [illegible] B [illegible] (C) [illegible] (D) [illegible] 2 [illegible] B [illegible] 2 [illegible] 29 [illegible] RS [illegible] 10 [illegible] 110° [illegible] 10 [illegible] (254 [illegible]).

[illegible] A [illegible] B [illegible] B. [illegible] D [illegible] R_f [illegible] A [illegible] C.

B: [illegible] 2 [illegible] 2 [illegible] TS [illegible] (~1760/[illegible]) [illegible].

[illegible] **pH value**: [illegible] 9.0-7.0.

[illegible] **Assay**: [illegible] 20 [illegible] 200 [illegible] 25 [illegible] 2.5 [illegible] 1 [illegible] 25 [illegible] (0.1 [illegible]) [illegible] 25 [illegible] (0.1 [illegible]) [illegible] 1 [illegible] 10 [illegible] 25 [illegible] 2 [illegible] 10 [illegible] 50° [illegible] 3 [illegible].

[illegible] 1 [illegible] 405 [illegible] 25 [illegible] 0.10 [illegible] 247 [illegible] $C_{21}H_{28}O_5$ [illegible] 419 [illegible] 247 [illegible] $A^{1\%}_{1cm}$ [illegible] 247 [illegible].

Quinini dehydrochloridi injectio

Quinine dehydrochloride injection [illegible]

[illegible] **Composition**: [illegible]

[illegible] **Description**: [illegible]

[illegible] **Category**: [illegible]

[illegible] **Storage**: [illegible]

[illegible] **Labelling**: [illegible] 30 [illegible]

[illegible] **Additional information**: [illegible] WHO [illegible] 300 [illegible]

[illegible] "Heating in an autoglave [illegible]
.(37 [illegible] 4 [illegible] "Methods of sterilization

REQUIREMENTS [illegible]

.(56 [illegible] 4 [illegible]) "Parenteral preparations [illegible]
[illegible] %105.0 [illegible] %95.0 [illegible]
.[illegible] $C_{20}H_{24}N_2O_2,2HCl$

Identity testes [illegible]

[illegible] 10 [illegible] 0.5 [illegible] :A
(B [illegible]) [illegible] TS (~100) [illegible] 0.05 [illegible]
TS (~100) [illegible] 1 [illegible] TS1 [illegible] 0.15 [illegible] A [illegible] :B
.[illegible]
"Genereral identification tests [illegible] A [illegible] :C
.(121 [illegible] 1 [illegible]) [illegible]
.3.0-1.5 [illegible] :**pH value** [illegible]

[illegible] :**Related cinchona alkaloids** [illegible]
R1 [illegible] (84 [illegible] 1 [illegible]) "Thin-layer chromatography [illegible]"
[illegible] R [illegible] 2.5 R [illegible] 8 R [illegible] 10 [illegible]
[illegible] (A) [illegible] 5 [illegible]
[illegible] 10 [illegible] TS (~750) [illegible]
12.5 [illegible] (C) [illegible] .TS (~750) [illegible] 50 [illegible] R [illegible] 12.5 [illegible] (B) [illegible]
[illegible] B [illegible] 1 [illegible] (D) [illegible] .TS (~750) [illegible] 50 [illegible] R [illegible]
[illegible] 15 [illegible] .C [illegible] 1
[illegible] TS [illegible] 30 [illegible] °[illegible] 105 [illegible]
.[illegible]

.C [illegible] B [illegible] A [illegible]
[illegible] A [illegible]

Limit of dihydroquinine

15 R 0.5 20 0.2 (0.0167) TS 0.1 TS (70~) 200 R 0.5 VS 2 (0.1) 5

$C_{20}H_{24}N_2O_2$,2HCl 19.87 VS (0.0167) 1 %10

Assay 0.5 TS (200~) 5 20 R 10 R 50 5 VS (0.1) R 10 (142 1) A "Non-aqueous titration"

$C_{20}H_{24}N_2O_2$,2HCl 19.87 VS (0.1) 1

ØØØØØ

Powders for injections

Amphotericini B pulvis ad injectionem

Amphotericin B powder for injections B

B B **Composition**

Description

Category

[illegible] :**Storage** [illegible]
[illegible] 8 – 2.

[illegible] :**Labelling** [illegible]

[illegible] :**Additional information** [illegible] WHO [illegible] :50 [illegible]
[illegible] Methods of sterilization [illegible] 4 [illegible] 37).

REQUIREMENTS [illegible]

[illegible] "Parenteral preparations [illegible] 4 [illegible] 56).

Identity testes [illegible]

A: [illegible] 25 [illegible] 5 [illegible] R [illegible] 50 [illegible] 2 [illegible] 200 [illegible] R [illegible] 381 [illegible] 362 [illegible] 450 [illegible] 300 [illegible] 405 [illegible] 362 [illegible] 1 [illegible] 405 [illegible] 381 [illegible] 0.6 [illegible] 381 [illegible] 0.9.

B: [illegible] 1 [illegible] 2 [illegible] R [illegible] 5 [illegible] (1440~) TS [illegible] 15 [illegible]

[illegible] :**Loss on drying** [illegible] 60 [illegible]
[illegible] 0.6 [illegible] 5 [illegible] 80 [illegible].

[illegible] :**pH value** [illegible] 10 [illegible]
[illegible] 8.0-7.2.

[illegible] :**Assay** [illegible]

ƟǝǻǺǭ Ʒɳ ÛĞĒüẓĜȒɳ Ǧǫşǟẓɳ ÛB ƙÊǺǨǩẓǺɳɉǟ ȡɳ ȟ 0.06 Ǧǟǟǻǫ ùẓǺÓǩ ȡȌΣǟ ŌDZɉ ǻẓHÊţǟ ȡɳ ǦĒȶȭ ȡHÊǩ
100 БǗ Ōɳ 10 ZǺƸ .Ōɳ 100 ǯǺǫǫq R ǼĒɳǺɳǿẓẓ ŌĒǯĒɳ ƟǝǻǺǭ ȡɳ ǦĒẓǺȭ ǦĒȶȭ ǥǻǟ Ʒɳ ȣǺȒǺş R ǼĒɳǺɳǿẓẓ ŌĒǯĒɳ
ǦǺẓĒΣǟ ğǟǻǺȒȶŸǿ ǦĒDZẓǿẓĒǦǿǟ ǦÊǺǺȌţǟ" ȷǟẓǺȝ ǨƠ ȣẓȍẓɳ ẓȽ Ǻȶȭ ǦÊǺǺȌţǟ ȜǺΘş R ǼĒɳǺɳǿẓẓ ŌĒǯĒɳ ƟǝǻǺǯǟ Ōɳ
Saccharomyces ǦǺẓȞƨǟ ǒǟĶȮÊǿǟ ÿǟǼǺǪèǺǟ .(155 ǦHǺÔǿǟ Û1 ǼŸŎǟ) "Microbiological assay of antibiotics
ÛĞȶĒȌȝ ğǺǺèẓǺǿǟ Ǧǝǟǿǻş Û6.1 ƟǝǺŒ ǒǺȽǺǟ Ʒɳ Cm3 ţǿǟ Ȕèşş Û(ATCC 9763 şǗ NCTC 10716) *cerevisiae*
ȡȒHǩş Û(gǻǺȝ Ōɳ/ÿǟǻɖşǺȮɳ 10.0ş 0.5 ƙǟ) B ƙÊǺǨǩẓǺɳɉǟ ǻẓHÊɳ ȡɳ Ǽèǻǻɳ ÂĒȭǺǩş ÛTS1 Û10.5 ǒǺȽǺǟ
gǿǼȌţǟ ǦĒŸȝǺǺŸǿ üÛǺŸǿ fiducial limits gǼȶǪȟţǟ ǻşǼΣǟ ǺŦĒẓ ȷẓȮǩ ɍ ȷǗ ɄȽ ǦÊǺȌţǟ Ǧęǻ .°ÿ 33-29 gǿǟǻǵ ǦDZǿǻ Ž
.gǿǼȌţǟ ǦĒŸȝǺǺǿǟ ȡɳ %105 ȡɳ ǺǯȭǗ ɍş %95 ȡɳ ŌęǗ estimated potency ($P = 0.95$)
.ǦǺǺŎǟ gǻǺţǟ БǗ ţẓDZǺǿǺǟ ǦǟẓÊƮ Ûȟ/ÿǟǻɖşǺȮĒɳ 750 ȡȝ ȌŌǺ ɍ üÛǺŸǿ ɃẓŸȞǿǟ ǼȶǪȟţǟ ǼΣǟ
Û1 ǼŸŎǟ) "Sterility testing of antibiotics ǦǺẓĒΣǟ ğǟǻǺȒȶŸǿ ǦɳǺŌȞǿǟǿǺǪǹǟ"ǿǿ ǼĒDZǪÊǺ:**Sterility** ǦɳǺŌȞǿǟ
.ǴĒìǺǫǿǟ ǒǺÎɖ ǿǺǪǹǟ ǒǟǺDZǗ ĘĜÛǺ Û(162 ǦHǺÔǿǟ
ǿǺǪǹɍǟ" ȷǟẓǺȝ ǨƠ ȣẓȍẓɳ ẓȽ Ǻȶȭ ǿǺǪǹɍǟ ĘĜÛǺ :**Bacterial endotoxins** ǦĒɳẓǫǺƨǟ ǦĒŸǹǟǼǿǟ ğǺǫǺǺǾǿǟ
ɍ Ü(30 ǦHǺÔǿǟ ÛĞǺÂĒŸȮǫqǟ ǦĦĜÛǿǟ Û5 ǼŸŎǟ) "Test for Bacterial endotoxins ǦĒŸǹǟǼǿǟ ǦĒɳẓǫǺƨǟ ğǺǫǺǺǾǿǟ ŌDZɉ
.ÿǟǺɖ ƟŸĒţǟ Ž ǦĒǿşǻ gǼǵş 1.0 RS ƟŸǹǟǼǿǟ ȷǺǺǾǿǟ ȡɳ Ȝẓǫɫǟ ǟşǺDZẓǪǺ
ǿǿǿǿǿ

Ampicillini natrici pulvis ad injectionem

Ampicillin sodium powder for injections DžŝĐǁǁ üШŬ DžǏɫǏƨǏĜDžŬǁ !ŅǰǫŅǰƬ ƼŅǰΘƨDž

.ƙŸĒÊĒĜɳɉǟ ÿẓǺǻẓÔǿ ǈȌȞɳ ǻẓHÊɳ ẓȽ ȡȌΣǟ ŌDZɉ ƙŸĒÊĒĜɳɉǟ ÿẓǺǻẓȍ ǻẓHÊɳ :**Composition** ǼĒȭǺǫǿǟ
.ǻĜǺȌǩ ȐĒǟǗ şǗ ȐĒǟǗ ǻẓHÊɳ :**Description** Zȍẓǿǟ
.ƟɳẓǫǺDZ ǻǺȒɳ ǒǟşǻ :**Category** ǦǺǺǿǟ
ǦDZǿǼǟ ȷǻƸ ȷǗş ÛǿẓȒǿǟ ȡɳ ȡȌΣǟ ŌDZɉ ƙŸĒÊĒĜɳɉǟ ÿẓǺǻẓȍ ǻẓHÊɳ ʔȶȜ ȷǗ Ǽƶ :**Storage** ȡǺÂǺǫǿǟ
.gǺìǺĜɳ üÎǺǪÊţǟ ǿẓŸɫǟ ǒǺÛȝǗ Ǽƶ .ÿ 25 ǟşǺDZẓǪǩ ɍ gǿǟǻǵ
ǒǺŦǫǫǟ ǸǺǿǺǩş .ƟǝǺɳƳǿǟ ƙŸĒÊĒĜɳɉǟ ǿǟǼȌţ ùẓǺȮȶȭ ǦȝǺƨǟ ǦǺşǺΣǟ ʔŸȝ ȡĦǦ ȷǗ Ǽƶ :**Labelling** ǈèẓǫǿǟ
.ǦĒǵƳÔǿǟ
ɳŸɳ 500 :ǦĒèǺèɉǟ ǦǺşǻǪǿ ǦĒǿǺΣǟ WHO ǯǟǺǰ Ǧȶǝǻǫ Ž gẓÔǿǟ :**Additional information** ǦĒẓǺȓǗ ğǺɳẓŸȞɳ
.ğǺǺĒǺǫ Ž

.(37 [illegible] 4 [illegible] "Methods of sterilization [illegible]

REQUIREMENTS [illegible]

"Parenteral preparations [illegible] .(56 [illegible] 4 [illegible])

[illegible] %110.0 [illegible] %90.0 [illegible] $C_{16}H_{19}N_3O_4S$ [illegible]

Identity testes [illegible]

A: [illegible] .(43 [illegible] 1 [illegible]) "Spectrophotometry in the infrared region [illegible] RS [illegible]

B: [illegible] "Thin-layer chromatography [illegible] 10 R [illegible] 65 [illegible] R1 [illegible] (84 [illegible] 1 [illegible]) [illegible] R [illegible] 2.5 R [illegible] 10 [illegible] 5 [illegible] (A) [illegible] 2 [illegible] 0.1) [illegible] R [illegible] 4 [illegible] 10 [illegible] RS [illegible] 25 [illegible] (B) [illegible] VS [illegible] 5 [illegible] 15 [illegible] 90 [illegible] TS [illegible]

.B [illegible] A [illegible]

C: [illegible] 2 [illegible] (1760~) [illegible] 2 [illegible] TS [illegible] 2 [illegible] TS [illegible] 2 [illegible]

D: [illegible] General [illegible] "identification tests (123 [illegible] 1 [illegible]) [illegible] B [illegible]

.TS (ȯ/ȟ60~) ȬǂǪèɉǟ Ȑ þ Ž ǦǟȦɫǯǟ ǡǟǾǩ ÛȡȪΣǟ ȮǄǍɉ ȧȥƕÊƫǟ ȡȠ ǥǨȣȍ ǦǂɫȬ ǼȠȦǩ

ȮǄǍɉ ȧȥƕÊƫǟ ȡȠ ǦǂɫȬ ȝǛȝ ɃȥǪƷ ȯȥǛȚ ȳǟǼǺǪÊǺ :**Specific optical rotation** ȾƷȥǺǟ ɃȦÔǦǟ ȦǩǼǪǟ
ǥǟȦƫǟ ɃǛ ƫȥǄȦǟȦǟ ǼÊƠ ÛTS ǦǺǿǂȞƫǟ ǧȦǪǂèɉǟ ǦǿǾǟ Ž ȦǪǻ ȾǛǂƫǟ Ž ȱǛǛÊǂǦǟɉǟ ȳȥǻǟȥȍ ȡȠ ȠǛȠ 5 ùȥȦȮǩ ȡȪΣǟ
$[\alpha]_D^{20°C} = +260 \text{ to } +290°$ ÜǦǂǿȦȠǛǟ.

ȟ 1 øǻ ùȥȦȮƫǟ ȡȪΣǟ ȮǄǍɉ ȧȥƕÊƫǟ ȡȠ ǂǄǟȦù ȦȒɫǟ ȯȥǛɫǟ ȷȥȮǺ :**Clarity of solution** ȯȥǛɫǟ ǒȦȦÔǟ
Ȑ þ ȡȠ ȮȠ 10 Ž ȮǪȦɫƫǟ ȯȥǛɫǟ ȷȥȮǺş .ȷȥǛǟ ǨǼȝş ǂȥȦȍ ǒȦƫǟ ȡȠ ȮȠ 10 Ž ȱǛǂÊǂǦǟɉǟ ȳȥǻǟȥȍ ȡȠ
.ȦȒǺǛ ǂȥȦȍ VS (ȯ/ȯȥȠ 1) ȬǺǿȥǛȭşǿǼǂǟ

ȦÎǂȥ ȯǿȦȭ ǦȬǺȦÛǟ ǒȦƫǟ ȱǂǂǩ" ȷǟȥǺȝ ǨƠ ȣȥȍȥȠ ȥȴ ȦɫȬ ǒȦƫǟ ȡȠ ȝȥǪɫǟ ȱǂǺ :**Water** ǒȦƫǟ
ǦǂɫȬ ȳǟǼǺǪèȦǟ Û(145 ǦƕȦÔǟ Û1 ǼǛǨǟ) A ǦȬǺȦÛǟ Û"Determination of water by the Karl Fischer mothod
.ȟ/ȠǛȠ 20 ȡȝ ǒȦƫǟ ȡȠ ȝȥǪɫǟ ǼǺȦǺ ɍ ÜȱǛǛÊǂǦǟɉǟ ȳȥǺǻǟȥȍ ȡȠ ȟ 0.5 ùȥȦȮǩ ȡȪΣǟ ȮǄǍɉ ȧȥƕÊƫǟ ȡȠ

ȳȥǺǻǟȥȍ ȡȠ ȟ 0.1 ùȥȦȮǩ ȡȪΣǟ ȮǄǍɉ ȧȥƕÊƫǟ ȡȠ ǦǂɫȬ ȝǛȝ ɃȥǪƷ ȯȥǛȚ ǒȦȴȦǟ :**pH value** ǒȦȴȦǦǟ ǦɫǂȘ
.10.0-8.0 ÛR ȷȥǟȦȮǟ ǼǂÊȬǛ ȾǿȦǪ ȡȠ ɃȦȷǟ ǒȦƫǟ ȡȠ ȦǪǻ ȾǛǂƫǟ Ž ȱǛǛÊǂǦǟɉǟ

:**Assay** ǦÊǺȦȬƫǟ

.ȣȥȍȥȠ ȥȴ ȦɫȬ ǦÊǺȦȬƫǟ ȝȦǪş ǧȦǺşȦǥ ȦÎȝ ǧȦǺȥǪȚ ǯȦǪ

ǦǂɫȬ Ž ÛǦǂùȥǦȒȠ ǦǪşȦȥȠ ÛȱǛǂÊǂǦǟɉǟ ȳȥǺǻǟȥȍ ȡȠ ȟ 0.12 ǦǟȦȩ ùȥȦȮǩ ȡȪΣǟ ȮǄǍɉ ȧȥƕÊƫǟ ȡȠ ǦǂɫȬ ǡǟǾǩ
ǦǿǾǟ ȡȠ ȮȠ 10 ȣȦȒǺ .ȮȠ 100 ȦǄǪǂè ǦǂɫǄǥ ǦǛǄȥǥ ɃǛ ȯȥǛɫǟ ȡȠ ȮȠ 10 ȮȬǺ .ȮȠ 500 ǯȦǪǪ ǒȦƫǟ ȡȠ ǦǂȥȦȬ
ǥǿǟȦǥ ǦǄǿǻ Ž ǋǿȦǩǻ 5 ǥǼȠ ȦȬǪÊǂǻ ȭȦǪǺ ÛTS ȷȦÊȭȥǺǼǟ/ȬǂǪèɉǟ ǼǺǿǼǂǼǟ ȡȠ ȮȠ 1ş TS Û9.0 ǒȦȴȦǟ ÛǧǟǿȥǦǟ
ǻǪȦȠ ȦɫǄǺȠ ȮȬ ȱǛÔȦǺȠ ȱǟȥǦǪǛ ɃǛ ȯȥǛɫǟ ǟǾȴ ȡȠ ȮȠ 2 ȦɫǄǺȠ ȮȬ ÛȷȦǪȠȦÊǩ ȮȬǺǩ .ǒȦƫǟ ȴǄǥ ɃǛ ȤȦƩş ÛǦȥȦȣǟ
Ž ȝȓȥǺş Ûǡȥǟǉɉǟ ǼÊǺ ÛǯȦƩş ÛTS ȬǂȬǦǟȦǟ ǼǺǿȥǛȬ/ȯşǟǟǼǂƩǪǟ ȡȠ ȮȠ 10 ȱǟȥǦǪɉǟ ǼǥǛ ɃǛ ȣȦȒǺ .ǥǟǟǼÊǟ
ɃǛ ȣȦȒǺş .(*A* ȯȥǛɫǟ) °ȳ 20 ǦǄǿǼǟǟ ɃǛ ǂǂǺȦè ǡȥǦǪɉǟ ǻǂǺ ÛǂȠȦǪ ǦȬǂǻ 25 ǥǼȠ °ȳ 60 ǦǄǿǼǟ ȾǿȦȠ ȳȦþ
.(*B* ȯȥǛɫǟ) ǯȦƩş ǒȦƫǟ ȡȠ ȮȠ 10 Ȧȵǿǟ ǡȥǦǪɉǟ

ǥǨǄǥ ȮǟȦȬȠ ÛǂǦȦȬǩ ȦǪȠȥǪȦǪ 325 ǦǄȥȠ ȯȥù ǼǺȝ ȾɫȚȝɉǟ ǼΣǟ Ž ȴè 1 ǦǪȦǺǯǟ ǦȬǦù Ȉ ȦǪ ȱȵǖǩ ȷşǻ ȃȦȬǺ
ǒȦƫǟş *A* ȯȥǛɫǟ ȮǄǍɉ TS ȬǂȬǦȦǟǟ ȬǺǿȥǛȬ/ȯşǟǟǼǂƩǪǟ ȡȠ ȮȠ 10ş ǒȦƫǟ ȡȠ ȮȠ 2 ȡȠ ǰǺȦȠ ȝǛȝ ɃȥǪƠ ǼǺǾȠ
.*B* ȯȥǛɫǟ ȮǄǍɉ

ȝȠ ǦǪǿȦȬƫȦǟ *B* ȯȥǛɫǟş *A* ȯȥǛɫǟ ȱǟ Ȉ ȦɫǪǟ ȧȦȥ ȡȠ ȡȪΣǟ ȮǄǍɉ ȧȥƕÊƫǟ Ž $C_{16}H_{19}N_3O_4S$ ǦǂɫȬ ǼÊƠ
reference solution *ȾƕǄȦƫǟ ȯȥǛɫǟ* Ȉ ȦǪ ȷȥȮǺ ȴǿǛȠ ȥǙ ȝǛȝ ȦǺȦȞȠ Ⱦǿȥȓ ȤǂùȈ ȃȦǂȬȠ Ž .RS ȱǛǂÊǂǦǟɉǟ
.0.02 ± 0.29

øÀĢǪǹɍǟ" ɈǟζΆʒ ǨƠ ȣζǒζɳ ζȽ Ǻȶõ øÀĢǪǹɍǟ ĘĢÛΛ :**Bacterial endotoxins** ǦĔɳζǫÀƨǟ ǦĔŸǹǟÆõǟ ğÀφÀΛØõǟ
ɍ Ü(30 ǦHɄÀÔõǟ ÛǦΛÂĔŸÒφqǟ ǦȞĢÛõǟ Û5 ÆŸÕǟ) "Test for Bacterial endotoxins ǦĔŸǹǟÆõǟ ǦĔɳζǫÀƨǟ ğÀφÀΛØõǟ ŌDZɉ
.ÿǟÀɖ ɄŸĔʈǟ Ž ǦĔõşǻ ǥÆǵş 0.15 RS ɄŸǹǟÆõǟ ɈÀΛØõǟ ȸɳ ʔζǪǂǟ ǟşÀDzǪΛ

ØØØØØ

Benzylpenicillini kalici pulvis ad injectionem

DžȿƟǁ üƜǓ DžǐǂǏƨǆǁ üǏȐøǆ !ǋǏƨƑǂǋǦ ƼǋƟƨǅ

Benzylpenicillin potassium powder for injections

ŌΛÂøΛǟ ÿζĔèÀǩζĢõ ȴŌǶɳ ȧζHɄÊɳ ζȽ ȸŌΣǟ ŌDZɉ ƙŸĔÊΛĢõǟ ŌΛÂøΛǟ ÿζĔèÀǩζǟ ȧζHɄÊɳ :**Composition** ÆĔÕÀǪõǟ
.ƙŸĔÊΛĢõǟ

.ǞĢΛÀŌǨ ȒĔǟÜ şÜ ɃøζŸǟ ȒĔǟÜ ȧζHɄÊɳ :**Description** ƵǒζõǞ

.ɄɳζǫÀDZ ǻÀȒɳ õǟşǻ :**Category** ǦÀΛõǟ

Û°ÿ 25 ǟşÀDzǪǨ ɍ ǥøǟÀǵ ǦDZøǻ Ž ȸŌΣǟ ŌDZɉ ƙŸĔÊΛĢõǟ ŌΛÂøΛǟ ÿζĔèÀǩζǟ ȧζHɄÊɳ ȘÀǵ Ǣƶ :**Storage** ȸΛÂǺǪõǟ
şÜ °ÿ 20 ǦDZøÆõÀǟ ɈǺÂȽ ÀɳÆΛʒ Ǧʒǟè 24 ȯŸǹ üÎΛǪÊʈǟ ȯζŸǂǟ ÿǟÆǺǪèǟ Ǣƶ ʔÀǹÜ ğÀȶĔŸȞǪǟ ʓǟÔʈǟ îζΛȴ Ǻɳş
.°ÿ8-2 ǦDZøÆõÀǟ ɈǺÂȽ ÀɳÆΛʒ (Ǜøǟǻ ŌɳÀʒ ǻζDZζǟ ǞɳζΛ 14 ȯŸǹ) ÿÀΛÜ 7 ȯŸǹ

.ǦĔǵŸÔõǟ õÀȜǪǟ ǸΛøÀǩş ÛǛøǟÆõǟ ŌɳÀȞõǟ ǦȞĔĢù ǦΛşÀΣǟ ʔŸʒ ȸȞĢȽ ɈÜ Ǣƶ :**Labelling** ȴĔèζǪõǟ

ɳŸɳ 600 :ǦĔèÀèɉǟ ǦΛşǻǪõ ǦĔõÀΣǟ WHO ǯǽÀƴ ǦȶəÀę Ž ǥζÕõǟ :**Additional information** ǦĔζÀȓÜ ğÀɳζŸȞɳ
.ƙŸĔÊΛĢõǟ ŌΛÂøΛǟ ÿζĔèÀǩζǟ ȸɳ ȟ 3ş

ǦŌΛÀÛǟ ȴǾȞɳ ȧζHɄÊʈǟ .ȴəŸɳ Ǜøǟǻ ŌɳÀʒ ʔŸʒ ǥǻÀʒ ȸŌΣǟ ŌDZɉ ƙŸĔÊΛĢõǟ ŌΛÂøΛǟ ÿζĔèÀǩζǟ ȧζHɄÊɳ ɃζǪƷ
.(37 ǦHɄÀÔõǟ Û4 ÆŸÕǟ Û"Methods of sterilization ȴĔŌȞǪõǟ ȧÀù" ÀŢφǟ) ǦȶəŸɳ

REQUIREMENTS ƘǦǜǷƘǆǃƒ

"Parenteral preparations ǦĔŌΣǟ ğǟÀȒHɄǪÊʈǟ" ŌDZɉ ǥǻşÀζɉǟ üÎΛǪÊʈǟ ȯζŸǂǟş ȸŌΣǟ ŌDZɉ ȧζHɄÊʈǟ ɄøǦΛ
.(57 ǦHɄÀÔõǟ Û4 ÆŸÕǟ)

%110.0 ȸʒ ÆΛÂΛ ɍş %90.0 ȸʒ ŌŌΛ ɍ Àɳ ʔŸʒ ȸŌΣǟ ŌDZɉ ƙŸĔÊΛĢõǟ ŌΛÂøΛǟ ÿζĔèÀǩζǟ ȧζHɄÊɳ ǦΛşÀǵ ɃζǪƠ
.ȴĔèζǪõǟ ǦęÀÔõ Ž ȸǞĢʈǟ $C_{16}H_{17}KN_2O_4S$ øǟÆŌɳ ȸɳ

Identity testes ƕĭŇǰǊǁ ǀ ƐƥƑǤƢǪƐ

.DȘ CȘ B ğăøǺǪǹŗă şǕ DȘ A ȷăøǺǪǹŗă ĘǤÛ •

ŏăǞŧΣă ǨƠ ǴȞì ɉă ǴÔÛǺŋ Ž ɄəȥȒöă ȤƐÛöă âǺƐȩ" ȷăȥǺɜ ǨƠ ȣȥòȥŋ ȥȽ ǺŧÕ øǺǪǹŗă ʔǞƶ :A ŏăǞŧΣă ǨƠ ǴȞì ɉă î ǺÔǪŋă ȤƐù ĘȥăȥǪ .(43 ǴȞǺÔöă Û1 ÆŸŎă) "Spectrophotometry in the infrared region

.ƙŸƐÊǺǴöă ŌǺÂøǺǣ ÿȥƐèǺǩȥǴ ɄȞDZǞŧă ȤƐÛöă ȝŋ şǕ RS ƙŸƐÊǺǴöă ŌǺÂøǺǣ ÿȥƐèǺǩȥǣ ȸɜ ǰǨǺǺöă ȤƐÛöă ȝŋ

Ǵəøăǻ ȸŋ ǴƐȥǺÕ ǴƐŧÕ Ž ƙŸƐÊǺǴöă ŌǺÂøǺǣ ÿȥƐèǺǩȥǣ ȸŋ ȟ 0.1 ùȥǺÒǨ ȸŌΣă ŌDZɉ àȥȞÊţă ȸŋ ǴƐŧÕ ā ăØǨ :B

Бǚ .(A ȯȥŸǂă) ¢ÊǺȹ Ȥ ìǺÒöǺǣ Ōŋ 100 Бǚ Ōŋ 10 ȤǺ∑ Û100 ȜǺǪȹɋ TS (ȯ/ȯȥŋ 0.067) Û7.0 ŏǺȽǺǣ Ûğ ǺǺèȥǺöă

ōǞǪǺȘ ÛŏǺţǺǣ Ōŋ 10 Бǚ TS àǺǺƐŸƐÊǺǴöă ȸŋ Ōŋ 1 ȤƐǺǺǪǣ ǞȒȚ ȯȥŸȚ ȸŋ Ōŋ 0.5 ȣǺȒǺ A ȯȥŸǂă ȸŋ Ōŋ 10

øǺǪǹă ɄøǣȥǴǪǚ Ž BȘ A ƙȯȥŸǂă ȸŋ Ōō ȸŋ Ōŋ 5 ȝȑȥǺ .(B ȯȥŸǂă) ĘəǺȩǻ 10 ǵǼŋ °ÿ30 ǴDZøǼŏǺǣ ǞŌǪÊƐō

.VS (ȯ/ȯȥŋ 0.0005) ǻȥƐöă ȸŋ Ōŋ 5Ș TS Û4.6 ŏǺȽǺǣ Ûğ ǺǪƐèɉă Ǵəøăǻ Ōŋ 10 ǺŧƬǺŋ Ōō Бǚ ȣǺȒǺȘ ƙŸÔǺǺŋ

Ûàøǟǚ A ȯȥŸǂǺǣ ŌÔȞǪÊţă ǰǺÂţă ȷȥÒǺ ÜTS ǺÎǺöă ȸŋ Ōŋ 0.1 ƙǣȥǴɋɉă ȸŋ Ōō Бǚ ȣǺȒǺ ğǺǺȥǪǂă ȜÂŋ ǼȞǣ

.ȷȥŸöă ƇǼɜ B ȯȥŸǂǺǣ ŌÔȞǪÊţă ǰǺÂţă ʔŌǴǺȘ

ȣǺȒǺ øǺǪǹă āȥǴǪǚ Ž ƙŸƐÊǺǴöă ŌǺÂøǺǣ ÿȥƐèǺǩȥǣ ȸŋ ŋŸŋ 2 øȯ ǴǺȥǺÒŋ ȸŌΣă ŌDZɉ àȥȞÊţă ȸŋ ǴƐŧÕ Бǚ :C

.ȷȥŸöă ƇǼɜ ȯȥŸǂă ȷȥÒǺ ÜȜÂƺȘ ÛTS (ȯ/ȟ1760~) ŌǺøȥǺŸÊöă ǞȒ þ ȸŋ Ōŋ 2 øǣ ȝǴǪǨȘ ŏǺţă ȸŋ ǵǼǵăȘ ǵǞÛȩ

ȸŋ ǴŸǪǺư ǴƐŧÕ ȝȑȥǨ ŌȯØō .ȷȥŸöă ƇǼɜ ȯȥŸǂă ʔŌǴǺ ÜǵǼǵăȘ ǴŌƐȩǻ ǵǼŋ ɄəǺŋ ÿǺþ Ž øǺǪǹŗă āȥǴǪǚ ÈÛȣǺ

ŌǺøȥǺŸÊöă ǞȒ þ/ǼƐƬǺŋøȥǺöă ȸŋ Ōŋ 2 Ż ŏǺţă ȸŋ ǵǼǵăȘ ǵǞÛȩ ȣǺȒǺȘ ÛȷǺǪ øǺǪǹă āȥǴǪǚ Ž ȸŌΣă ŌDZɉ àȥȞÊţă

ȷȥȯ ǰǪǺǺ ÜǵǼǵăȘ ǴŌƐȩǻ ǵǼŋ ɄəǺŋ ÿǺþ Ž øǺǪǹŗă āȥǴǪǚ ÈÛȣǺ .ɄøǺǴöă Бǚ ǬəǺŋ ǞǺòǚ ȯȥŸǂă ȷȥÒǺ ÜȜÂƺ ÛTS

.ǞŧȚ Ʉøǣ

ȸŋ Ōŋ 2 ǴȥǺȑǚǣ ÜǴǹǞǺȘ ÛŏǺţă Ž ǴǺŧȜöă āăØǨ ÛȸŌΣă ŌDZɉ àȥȞÊţă ȸŋ ǵƘȣò ǴƐŧÕ (ŌǨÎǨ) ǼŋǞǨ :D ȣăǞȞǪèŗă ğăøǺǪǹă" ȷăȥǺɜ ǨƠ ȣȥòȥţă ŌɜǺǺǪöă ʔÛȞǺ ǴǵǺìǞöă Бǚ TS (ȯ/ȟ80~) ÿȥǺǻȥÔöă ǼƐÊōȘøǼȽ

.(123 ǴȞǺÔöă Û1ÆŸŎă) ÿȥƐèǺǩȥǴö ǺƐŧŧō "Genereral identification tests ǴŋǺȞöă

ȟ 0.2 øȯ ùȥǺÒŋ ȸŌΣă ŌDZɉ àȥȞÊŋ ȯȥŸȚ ȷȥÒǺ :**Clarity and colour solution** ȯȥŸǂă ȷȥȯȘ ŏǺǺÔöă ȘǺƷ) .ȷȥŸöă ƇǼɜȘ ǼƐȥǺò R ȷȥǣǺÒöă ǼƐÊōȘǚ ɄəǺǺǪ ȸŋ БǺƪă ŏǺţă ȸŋ Ōŋ 10 Ž ƙŸƐÊǺǴöă ŌǺÂøǺǣ ÿȥƐèǺǩȥǣ ȸŋ .("ŏǺȽǺǴöă Ǵŧƌȩ" ŌDZɉ ȯȥŸǂă

ǼŌǺöă ȷȥÒǺ ŗ Ü°ÿ 105 ǴDZøǼŏǺǣ ǴǪǣǺǪ ǴŸǪō Бǚ ȸŌΣă ŌDZɉ àȥȞÊţă ȤǺƶ :**Loss on drying** ȤƐǺDZȥǪǺǣ ǼŌǺöă .ȟ/ŋŸŋ 10 ȸŋ ǞȜōǚ

.7.5-5.5 Û"ȯȥŸǂă ȷȥȯȘ ŏǺǺÔöă" ŌDZɉ ǞȒǂă ȯȥŸǂă ŏǺȽǺǣ :**pH value** ŏǺȽǺǴöă Ǵŧƌȩ

[illegible] :**Assay** [illegible] 50 [illegible] 2.0 [illegible] 1000 [illegible] 10 [illegible] (A [illegible]) [illegible] 20 [illegible] 25 [illegible] 60 [illegible] (B [illegible]) [illegible] 10 [illegible].

[illegible] 325 [illegible] 1 [illegible] A [illegible] TS [illegible] 10 [illegible] 2 [illegible] B [illegible].

[illegible] B [illegible] A [illegible] $C_{16}H_{17}KN_2O_4S$ [illegible] 1 [illegible] RS [illegible] ($C_{16}H_{17}KN_2O_4S$) [illegible] 1.045 [illegible] RS ($C_{16}H_{17}N_2NaO_4S$) [illegible] *reference solution* [illegible] 0.62 ± 0.03.

[illegible] :**Bacterial endotoxins** [illegible] "Test for Bacterial endotoxins" [illegible] (30 [illegible]) [illegible] 0.01 RS [illegible].

ØØØØØ

Cloxacillini natrici pulvis ad injectionem

Cloxaicillin sodium powder for injections [illegible]

[illegible] :**Composition** [illegible].

[illegible] :**Description** [illegible].

[illegible] :**Category** [illegible].

[illegible] :**Storage** [illegible] 25 [illegible].

[illegible] :**Labelling** [illegible]

[illegible]

[illegible] :**Additional information** [illegible] WHO [illegible]

[illegible] 500 [illegible]

[illegible]

"Methods of sterilization [illegible] 4 [illegible] 37).

REQUIREMENTS [illegible]

"Parenteral preparations [illegible]

[illegible] 4 [illegible] 56).

[illegible] %90.0 [illegible] %110.0 [illegible]

[illegible] $C_{19}H_{17}ClN_3NaO_5S$ [illegible]

Identity testes [illegible]

- [illegible] A [illegible] B [illegible] C [illegible] D.

A: [illegible] "Spectrophotometry in the infrared region [illegible] 1 [illegible] 43). [illegible] RS [illegible]

B: [illegible] "Thin-layer chromatography [illegible] 1 [illegible] 84) [illegible] R3 [illegible] 30 [illegible] R [illegible] 70 [illegible] 154 [illegible] R [illegible] 5.0 [illegible] 1 [illegible] R [illegible] (A) [illegible] 0.25 [illegible] 50 [illegible] (B) [illegible] 25 [illegible] RS [illegible] 5 [illegible] (C) [illegible] 25 [illegible] RS [illegible] RS [illegible] 5 [illegible]

[illegible] A [illegible] B [illegible] C [illegible]

ÛøÅĢÒǹä āζĢǢÛ Ž ƙŸĒèÅÊõζŸÒöä ÿζÅấζò ȡȘ ŊŸȘ 2 øö ĞÅζÅÒȘ ȡŐΣä ŌDZɉ ȧζĦÊţä ȡȘ ĞĒŧõ 3r̃ζǩ :C
āζĢǢɉä ÈÛ8Å .TS (ó/ȟ1760~) ŐÅøζÅŸÊöä R̀ ƥ ȡȘ ŌȘ 2ş R ÿζÅấζÔöä ğÅæşÅǩζȘşÅõ ȡȘ ŊŸȘ 2 8ÅR̂Åş
.ɄDzÊÅÅæ – Åƥ̈Û J ζö J̌ǪÅÅ ÜĘəÅęá 4-3 gÆȘ °ÿ 150 ĞDZøÆöÅæ ȴəŸȘ ÿÅƥ Ž
ĞöÅŧǰöä āäØǩş ÛƙŸĒèÅÊõζŸÒöä ÿζÅấζò ȡȘ ŊŸȘ 20 ùζÅÒǩ ȡŐΣä ŌDZɉ ȧζĦÊţä ȡȘ ĞĒŧõ (ŐȟÎǩ) ÆȘÅǩ :D
ĞȘÅĦöä 8äÅȞǪèɍä ğäøÅĢǪǹä" JäζÅ3 ǨƠ 8ζòζţä B Ō3ÅÅǪöä óζŸɨä ɄÛȞÅ .TS (ó/ȟ60~) ŐĒǪĒèɉä R̀ ƥ Ž
.(123 ĞĦÅÔöä Û 1 ÆŸŎä) .ÿζÅấζÔŸö ÅĒŧŧõ "General identification tests
ȡŐΣä ŌDZɉ ȧζĦÊţä ȡȘ ĞĒŧõ ʔŸ3 ɃζǪƷ óζŸȚ ÿÆÅǪÊÅ :Specific optical rotation Ʉ3ζÅöä ɃÅÔĢöä ÅÅşÆǪöä
ÜĞĒəÅȘŸöä gấÅţä ƂÛ ţζDZÅöÅæ ÆÊƠş ÛÅǪö ɄŸĒţä Ž ƙŸĒèÅÊõζŸÒöä ÿζÅấζò ȡȘ ŊŸȘ 10 ùζÅÒǩ
$.[a]_{\mathrm{D}}^{20°\mathrm{C}} = +163 \text{ to } +172°$
ȟ 0.2 øö ùζÅÒȘ ȡŐΣä ŌDZɉ ȧζĦÊȘ óζŸȚ JζÒÅ :Clarity and colour solution óζŸɨä Jζöş ŏÅÅÔöä
ŞÅƷ) .JζŸöä ĈÆ3ş ÅĒζÅò R JζæÅÒöä ÆĒÊõşÛ ɄəÅǪ ȡȘ ƂÅʅä ŏÅţä ȡȘ ŌȘ 10 Ž ƙŸĒèÅÊõζŸÒöä ÿζÅấζò ȡȘ
.("ŏÅŁÅĢöä ĞŧĒę" ŌDZɉ óζŸɨä
ÅÎĒζ óøÅõ ĞŐÅÅÛæ ŏÅţä ƙĒȞǩ" JäζÅ3 ǨƠ 8ζòζȘ ζŁ Åŧõ ŏÅţä ȡȘ ʔζǪɨä ƙȞÅ :Water ŏÅţä
ĞĒŧõ ÿäÆÅǪèÅæ Û(145 ĞĦÅÔöä Û1 ÆŸŎä) A ĞŐÅÅÛöä Û"Determination of water by the Karl Fischer mothod
ɍş ȟ/ŊŸȘ 35 ȡ3 ŏÅţä ȡȘ ʔζǪɨä ĐŐÅ ɍ ÜƙŸĒèÅÊõζŸÒöä ÿζÅấζò ȡȘ ȟ 0.25 ùζÅÒǩ ȡŐΣä ŌDZɉ ȧζĦÊţä ȡȘ
.ȟ/ŊŸȘ 45 ȡ3 ÆÅÂÅ
.7.0-5.0 Û"óζŸɨä Jζöş ŏÅÅÔöä" ŌDZɉ ÅR̂ɨä óζŸɨä ŏÅŁÅæ :pH value ŏÅŁÅĢöä ĞŧĒę
.8ζòζȘ ζŁ Åŧõ ĞÊÅÅŐţä ʔÅθş ğÅÅşÅǵ ÅÎ3 ğÅÅζǪȚ ǯÅǪ :Assay ĞÊÅÅŐţä
ĞŸDZζǵ ƂÛ ÛĞĒùζĢR̂Ș ĞǢşàζȘ ÛƙŸĒèÅÊõζŸÒöä ȡȘ ȟ 0.1 ĞäåÅę ùζÅÒǩ ȡŐΣä ŌDZɉ ȧζĦÊţä ȡȘ ĞĒŧõ ŐŐÅǩ
Őõ ÛJÅǪȘÅÊę ŐŐÅǩ .ŏÅţÅæ ŌȘ 100 ƂÛ ŌȘ 25 ȤǻƸ .ŏÅţÅæ ȴDzǵ ƂÛ ȤÅǺŧş .ŌȘ 500 ÅŦǪȞè ĞĒDZÅDZà gấäÆè ğäæ
ȡȘ ŌȘ 10 ƙæζĢɉä ÆǵÛ ƂÛ 8ÅR̂Å .gấäÆÊæ ấşÂȘ ÅŧŦÅȘ Őõ ƙŸÔÅÅȘ ƙæζĢǢÛ ƂÛ óζŸɨä äØŁ ȡȘ ŌȘ 2.0 ÅŧŦÅȘ
ấƎÅ .ÅȘÅǪ ĞŐĒęấ 25 gÆȘ °ÿ 60 ĞDZøÆæ ɄəÅȘ ÿÅƥ Ž 3r̃ζÅş Ûāζ ĢǢɉä ǻÊÅ ÛǯÂƸ ÛTS ŐĒŐĢəÂöä ÆÅøζŸõ/óşàäÆĒƸǭä
.(B óζŸɨä) ǯÂƸş ŏÅţä ȡȘ ŌȘ 10 8ÅR̂Å ɄøǢǰöä āζĢǢɉä ƂÛ .(A óζŸɨä) °ÿ20 ĞDZøÆöä ƂÛ ÅȞÅÅè āζĢǢɉä
gƘDzǵ ŐæÅŐȘ ÅĢÅÅŐǩ ÅǪȘζǢÅǢ 343 ĞDZζȘ óζù ÆÅ3 ɄŧȚ3ɉä ÆΣä Ž ȴè 1 ĞǢÅǺǯæ ĞŐĢù î ÅǪ ƘǹùǩJşấ âÅŐÅ
ŏÅţäş A óζŸɨä ŌDZɉ TS ŐĒŐĢəÂöä ÆÅøζŸõ/óşàäÆĒƸǭä ȡȘ ŌȘ 10ş ŏÅţä ȡȘ ŌȘ 2.0 ȡȘ J̌ÅÂȘ ʔŸ3 ɃζǪƠ ÆÅØȘ
.B óζŸɨä ŌDZɉ
3Ș ĞǢøÅŐţÅæ B óζŸɨäş A óζŸɨä î ÅǪ ƙæ ȧÅÅöä ȡȘ ĞòζĦÅţä gấÅţä Ž $C_{19}H_{17}ClN_3NaO_5S$ ȡȘ ʔζǪɨä ÆÊƷ

[illegible] *reference solution* [illegible] RS. [illegible] 0.4 ± 0.02.

[illegible] **Bacterial endotoxins** [illegible] "Test for Bacterial endotoxins" [illegible] (30 [illegible]) [illegible] 0.40 RS [illegible].

ØØØØØ

Pentamidini isetionatis pulvis ad injectionem

Pentamidine powder for injections [illegible]

[illegible] **Composition** [illegible].

[illegible] **Description** [illegible].

[illegible] **Category** [illegible].

[illegible] **Labelling** [illegible].

[illegible] **Additional information** [illegible] WHO [illegible] 200 [illegible]. [illegible] "Methods of sterilization" [illegible] 4 [illegible] 37).

REQUIREMENTS [illegible]

[illegible] "Parenteral preparations" [illegible] 4 [illegible] 56).

[illegible] %90.0 [illegible] %110.0 [illegible] $C_{19}H_{24}N_4O_2,2C_2H_6O_4S$ [illegible].

Identity testes ƕĭŇǰǋǁ Ɩ ƐƥƑƓƢƐ

.CŞ B ǰăøȦǤǹɍă şǕ ƇǼǵş A øȦǤǹɍă ĘǤÛȦ •

ŏăȦŧΣă ǨƠ ǦȞǐɟă ǦȬÛȦŋ Ž ɄəζȒŏă ƵƗÛŏă âȦǅ" ǰăζȦȝ ǨƠ ȣζǒζŋ ζŁ Ȧŧõ øȦǤǹɍă ʔȦƶ :A

ŏăȦŧΣă ǨƠ ǦȞǐɟă ȋȦÔǪŋă ƵƗù ĘζăζǪȦ .(43 ǦȞȦÔŏă Û1 ǼǛǑă) "Spectrophotometry in the infrared region

.ȸȦǼƗŋȦǪȦǤŏă ğȦǫζƗķşÂȦɋ ɄȞƊƵȦţă ƵƗÛŏă ȝŋ şǕ RS ȸȦǼƗŋȦǪȦǤŏă ğȦǫζƗķşÂȦǕ ȸȝ ǰǨȦȦŏă ƵƗÛŏă ȝŋ

Ž ȸȦǼƗŋȦǪȦǤŏă ğȦǫζƗķşÂȦǕ ȸŋ ŊŸŋ 10 ùζȦȮȦ ȸȬΣă ȬƊƵɟ ȧζȞÊŋ ʔŸȝ ɃζǪȝ ȯζŸȚ ȋȦÔǪŋă ƵƗù ɃǼǤȦ :B

ȦƗŧȚȝǕ ȦƗǵ ȦǪŋζǫȦǫ 350ş ȦǪŋζǫȦǫ 230 ƙă ǼȩăȦȦ ȦŋǼȦȝ ÛVS (ȯ/ȯζŋ 0.01) ȬȦøζŸõşøǼƗŢă ȐƤ ȸŋ ȦǪȯ ɄŸƗţă

.0.47 ăØŁ ǦƊζţă ȯζù ǼȦȝ ǉè 1 ǦǫȦǺǯă ǦȬǤù ȋ ȦǪ ŊŸǤȦ ǗǤȦǑǨ ȦǪŋζǫȦǫ 262 ǼȦȝ

ŏȦţă ȸŋ Ȭŋ 5 ȣȦȒȦ ȸȦǼƗŋȦǪȦǤŏă ğȦǫζƗķşÂȦǕ ȸŋ ȟ 0.5 øȯ ǦȧζȦȮŋ ȸȬΣă ȬƊƵɟ ȧζȞÊţă ȸŋ ǦƗŧõ ƂǕ :C

ǼƗŸƨă Ž ȧƗȞȦ ÛTS (ȯ/ȟ50~) ȳζȦȧζÔŏă ǼƗÊõşøǼƗŁ ȸŋ Ȭŋ 10 ȣȦȒȦ .ǰȦăşØŏă ʔøǪǵ °ȳ80 ǦƊøǼȬȦă ȸǺÊȦş

ğăȦǪǫ ȸŋ Ȭŋ 0.2 øă ȝǪȦ TS (ȯ/ȟ1000~) ȬȦȦǪȦŏă ȐƤ ȸŋ Ȭŋ 0.2 ȣȦȒȦ ǦǵȦǐȦŏă ȸŋ Ȭŋ 2 ƂǕ .ǴǐȦȦş

.ƂȦȬǨȦă -ȦƥǕ ǰζȯ ǰǪȦȦ ÜTS ȬȦƘÊŏă ȳζƗǫζŋǕ

ȸŋ ȟ0.5 øȯ ùζȦȮŋ ȸȬΣă ȬƊƵɟ ȧζȞÊŋ ȯζŸȚ ǰζȮȦ :**Clarity and colour solution** ȯζŸǂă ǰζȯş ŏȦȦÔŏă

ȯζŸǂă ȘȦȝ) .ǰζŸŏă ƇǼȝş ȦƗζȦǒ R ǰζăȦȮŏă ǼƗÊõşǕ ɄəȦȦǫ ȸŋ ƂȦǉă ŏȦţă ȸŋ Ȭŋ 10 Ž ȸȦǼƗŋȦǪȦǤŏă ğȦǫζƗķşÂȦǕ

.("ŏȦŁȦǤŏă ǦŧƗę" ȬƊƵɟ

.6.5- 4.5 Û"ȯζŸǂă ǰζȯş ŏȦȦÔŏă" ȬƊƵɟ ȦȒǂă ȯζŸǂă ŏȦŁȦă :**pH value** ŏȦŁȦǤŏă ǦŧƗę

ǦȬƗęȦŏă ǦȬǤÛŏă ăȦȦȊǪèă" ǰăζȦȝ ǨƠ ȣζǒζŋ ζŁ Ȧŧõ øȦǤǹɍă ʔȦƶ :**Related substances** ǦǒȦȊţă ǻăζţă

ǦƊøǼȬȦă ƙǺÊǪȦă ǦŸŊȦţă R6 ȦȮƗŸÊŏă ǦŋŸŁ ȳăǼǺǪèȦă Û(84 ǦȞȦÔŏă Û1 ǼŸǑă) "Thin-layer chromatography

ǦȬǤÛŏă ǒȦȞǪŋ øζÛõş Û(ǦŧəŸŋ ɃøȦΘ øǼÔŋ ȸŋ ȦǑăȦè ǦŸȣţă ǦȞƗȦÔŏă) ǦŸȣŋ ǵǻȦŧõ ǵǼǵăş ǦȝȦè ǵǼŋ °ȳ 105

.ȦȞŋ R ɄƊζŸǯŏă ȬƗǪèɟă ȐƤ ȸŋ ƙŧƊζǵş R ȯζǫȦķζă-1 ȸŋ ȳζƊζǵ 8ş ŏȦţă ȸŋ ȳζƊζǵ 10 ƺȦă ǦŸÔȞǪÊţă ȦƗŸȞŏă

ȬƊƵɟ ȧζȞÊţă ȸŋ ǦƗŧõ ăȦØǨ (A) ȯζŸǂă ȬƊƵɟ :ƙƗȬȦǪŏă ƙȯζŸǂă ȸŋ ȦǪȯşȦȮŋ 10 ǦȞƗȦǒ ʔŸȝ ƳÔȦȦŋ ĘǤÛȦ

ȯζŸǂă ȸŋ Ȭŋ 1 ƵȦƸ Û(B) ȯζŸǂă ȬƊƵɟ .R ȯζǫȦǯƗţă ȸŋ Ȭŋ 2 Ž ȸȦǼƗŋȦǪȦǤŏă ğȦǫζƗķşÂȦǕ ȸŋ ȟ 0.1 ùζȦȮǨ ȸȬΣă

ǙÛƯ ǑȞȦȦş ÛŏăζŢă Ž ƵƊζǪȯ ǒȦǨ ăȦȦȊǪèɍă ǵȦƊζǵ ȸŋ ǦȞƗȦÔŏă ţȦøǫ ǼȞă .R ȯζǫȦǯƗţȦă Ȭŋ 200 ƂǕ A

.(ȦǪŋζǫȦǫ 254) ǦƗƊζÊȦȦǤŏă ȧζζ ǦȞǐɟă ŏζȓ Ž ăȦȦȊǪèɍă

.B ȯζŸǂȦă ǦŸÔȞǪÊţă ȬŸǨ ȸŋ ǵǼǐ ȦǯõǕ ÛǦƗÊƗəȦŏă ǦȞȬǤŏă ŏȦȦǯǪèȦă Ûȯζ ŸǂȦă ǦŸÔȞǪÊŋ ǦȞȬă ǦǕ ǰζȮǨ ɍ

:**Assay** ǦÊȦȦȬţă

.ȣζǒζŋ ζŁ Ȧŧõ ǦÊȦȦȬţă ʔȦΘş ğȦȦşȦǵ ȦȊȝ ğȦȦζǪȚ ǯȦǪ

(147 ǦĦȦÔöä Û1 ÆŸŎä) "Determination of nitrogin ƙǄǅşÀǬǺöä ƙǮǶǩ" ȷäʐǺ3 ǨƠ Ǧʐʐòʐţä A ǦÕǺÂÛöä ĘĝÛǩ
ȸŋ Ōŋ 9ş ÛǴŀùʐǤȒŋ Ǧφşàʐŋ ÛȸǺǼŀŋǬǺǤöä ğǺφʐǮǩşǺǙ ȸŋ ȟ 0.4 Ǧääǻę ùʐǺÒǩ ȸŌΣä ŌǄǅɉ ȧʐĦÊţä ȸŋ ǴŀȶÕ ʔŸ3
.TS (ȯ/ȟ1760~) ƙǄǅşÀǬǺöä ȸŋ ƃǺʅä ŌǺøʐǺŸÊöä Ȑƥ
.$C_{19}H_{24}N_4O_2,2C_2H_6O_4S$ ȸŋ ŋŸŋ 14.82 VS (ȯ/ȯʐŋ 0.05) ŌǺøʐǺŸÊöä Ȑƥ ȸŋ Ōŋ 1 ŌÕ ùʐǺÒǺ

ØØØØØ

Prednisoloni et natrii syccinatis pulvis ad injectionem

DžŧÐǁǁƐ üǕǓ DžNjǁNjȒǐǳƥǤǁƐ !NjǐǳNjƬ lƑǳǐƨlƨ ƼNjƟƨǅ

Prednisolone sodium succinate powder for injections

ğǺǼÊÒÊö ȴŎĦŋ ȧʐĦÊŋ ʐȴ ȸŌΣä ŌǄǅɉ ȷʐöşǺǼφåƎöä ÿʐǺåʐò ğǺǼÊÒè ȧʐĦÊŋ :**Composition** ǢǼÕÀǬöä
.ÿʐǺåʐÔöä ğǺφʐæǺÕ şǙ ÿʐǺåʐÔöä ǼǼÊÕşøǼǼ ģǼ3ǺÊŋ ǺȒƮ ȷʐöşǺǼφåƎöä ÿʐǺåʐò

.ǦĦǝäǺöä ƇǼ3 ÛǨǬǺǬöä ǦŸƮè ǦŸǬÕ şǙ ȐǼǙ ȧʐĦÊŋ :**Description** ƵòʐÖä

.ɃÀȚÕ ȷʐŋǺȴ :**Category** ǦǺǺöä

ǦǶǴù ȸǵǩ ȷǙ Ǣƶş .ȷʐöşǺǼφåƎöä ȸŋ ùʐǺÒŋ øäǼÕȶÕ ǦȝǺƨä ǦǺşǺΣä ʔŸ3 ȸǵǺ ȷǙ Ǣƶ :**Labelling** ȴǼèʐǬöä
.ǦǴǵƳÔöä ŏǺƮφä ǸǺøǺǩş ÙøäǼöä ŌŋǺǶöä

ŋŸŋ 20 :ǦǼèǺèɉä ǦǺşåǬö ǦǼöǺΣä WHO ʓǼǺý ǦȶǝǺę Ž ģʐÕöä :**Additional information** ǦǼʐǺȑǙ ğǺŋʐŸǶŋ
.ğǺǼǺę Ž ŋŸŋ 25ş

ȧÀü" ÀȚφä) ǦȶǝƳŋ ǦÕǺÂÛä ȴǾǶŋ ȯʐŸɨä .ȴǝƳŋ Ùøäå ŌŋǺ3 ʔŸ3 ȷʐöşǺǼφåƎöä ÿʐǺåʐò ğǺǼÊÒè ȸǾģ ɃʐǬƠ
.(37 ǦĦȦÔöä Û4 ÆŸŎä Û"Methods of sterilization ȴǼÕǶǬöä

REQUIREMENTS ƘǦǶǙƱǩǳ!ƒ

"Parenteral preparations ǦǼÕΣä ğäȒĦǬÊţä" ŌǄǅɉ ģåşÀʐɉä üÎǬÊţä ȯʐŸɨäş ȸŌΣä ŌǄǅɉ ȧʐĦÊţä ɄøǦŸǺ
.(56 ǦĦȦÔöä Û4 ÆŸŎä)

ȸŋ %110.0 ȸ3 ǼǺÂǺ ɍş %90.0 ȸ3 ŌÕǺ ɍǺŋ ʔŸ3 ȸŌΣä ŌǄǅɉ ȷʐöşǺǼφåƎöä ÿʐǺåʐò ğǺǼÊÒè ǦǺşǺģ ɃʐǬƠ
.ȴǼèʐǬöä ǦęǺÔö Ž ȸǵţä $C_{21}H_{28}O_5$ øäǼÕŋ

Identity testes ȟǐNjǊǁƐ lƐƥƑƓǇǁƐ

• ĘǤÛǺ ȷäøǺǤǬǹɍä DŞ A şǙ ğäøǺǤǬǹɍä DŞ CŞ B.

[illegible] 3 [illegible] 20 [illegible] 40 [illegible] :A

[illegible] .R [illegible] 25 [illegible] TS ([illegible]70~) [illegible]

[illegible] 60 [illegible]

"Spectrophotometry in the infrared region [illegible]

[illegible] .(43 [illegible] 1 [illegible])

.[illegible] RS

"Thin-layer chromatography [illegible] :B

[illegible] R [illegible]-1 [illegible] 6 [illegible] R4 [illegible] (84 [illegible] 1 [illegible])

[illegible] R [illegible]

[illegible] (A) [illegible] 5 [illegible]

10 [illegible] RS [illegible] 28 [illegible] (B) [illegible] 2 [illegible]

[illegible]

.([illegible] 254) [illegible] 10 [illegible] 110 [illegible]

.B [illegible] A [illegible]

[illegible] 20 [illegible] :C

Genereral [illegible] B [illegible] TS ([illegible]60~) [illegible]

.(123 [illegible] 1 [illegible]) [illegible] "identification tests

[illegible] 0.35 [illegible] :**Clarity and colour solution** [illegible]

.([illegible]) [illegible] R [illegible] 10 [illegible]

[illegible] 60 [illegible] :**Loss on drying** [illegible]

[illegible] 3 [illegible] R [illegible] 5 [illegible] 0.6 [illegible]

.[illegible]/[illegible] 20

.8.0-6.5 [illegible] :**pH value** [illegible]

:**Assay** [illegible]

.[illegible] 10 [illegible]

[illegible] 5 [illegible] 0.05 [illegible]

[illegible] 100 [illegible] 4 [illegible] 200 [illegible] TS ([illegible]750~) [illegible]

[illegible] 50 [illegible] 20 [illegible] TS (750~) [illegible] 100 [illegible] RS [illegible] 64 [illegible] (A [illegible] 200 [illegible] TS (750~) [illegible] 5 [illegible] TS (750~) [illegible] 50 [illegible] 20 [illegible] TS (750~) [illegible] 100 [illegible] 4 [illegible] B [illegible] A [illegible] (B [illegible] TS [illegible] 2 [illegible] TS (750~) [illegible] 20 [illegible]

[illegible] 90 [illegible] TS [illegible] 2 [illegible] B [illegible] A [illegible] $C_{21}H_{28}O_5$ [illegible] 525 [illegible] RS [illegible] *C* [illegible] *5C(0.7827)(A_u/A_s)* *A_s* [illegible] *A_u* [illegible] *(0.7827)* [illegible] *B* [illegible] *A* [illegible]

[illegible] **Bacterial endotoxins** [illegible] (30 [illegible] 5 [illegible]) "Test for Bacterial endotoxins [illegible] 5.8 RS [illegible]

ØØØØØ

Procaini Benzylpenicillini pulvis ad injectionem

[illegible]

Benzylpenicillin potassium powder for injections

[illegible] **Composition** [illegible]

[illegible] **Description** [illegible]

[illegible] **Category** [illegible]

[illegible] **Storage** [illegible] 25 [illegible]

[illegible] **Labelling** [illegible]

[illegible] WHO [illegible] :**Additional information** [illegible]

[illegible] ("Methods of sterilization [illegible] 37 [illegible]).

REQUIREMENTS [illegible]

"Parenteral preparations [illegible] (56 [illegible] 4 [illegible]).

[illegible] %90.0 [illegible] %100.0 [illegible] $C_{16}H_{18}N_2O_4S, C_{13}H_{20}N_2O_2$ [illegible] %36.0 [illegible] %44.0 [illegible] $C_{13}H_{20}N_2O_2$ [illegible].

Identity testes [illegible]

A: [illegible] 2 [illegible] 0.05 [illegible] 2 [illegible] (ó/1760~) TS [illegible] 8 [illegible] 2 [illegible] TS [illegible].

B: [illegible] 10 [illegible] 10 [illegible] (ó/0.01) [illegible] TS [illegible] 0.5 [illegible] TS [illegible] 1 [illegible] VS [illegible].

C: [illegible] 50 [illegible] Genereral [illegible] "identification tests (119 [illegible] 1 [illegible]).

Water [illegible] Determination [illegible] "of water by the Karl Fischer mothod (145 [illegible] 1 [illegible]) A [illegible] 0.5 [illegible] 28 [illegible] 42 [illegible]

Assay: ...

Total penicillins: ... 0.045 ... 1000 ... 10 ... 2.0 ... 25 ... 60 ... TS ... 20 (A) ... 10 (B) ... 314 ... 1 ... A ... TS ... 10 ... 2 ... B.

B ... A ... $C_{16}H_{18}N_2O_4S,C_{13}H_{20}N_2O_2$ ... 1 ... RS ... 0.050 ... $C_{16}H_{18}N_2O_4S,C_{13}H_{20}N_2O_2$ ... 1.601 ... $(C_{16}H_{17}N_2NaO_4S)$ RS ... *reference solution* ... 0.62 ± 0.03.

Procaine: ... 0.5 ... 10 ... 5 ... (75) TS ... 25 ... R ... 0.25 ... 20 ... VS (0.1) ... VS (0.1) ... TS ...

... 1 ... VS (0.1) ... 23.63 ... $C_{13}H_{20}N_2O_2$.

Bacterial endotoxins: ... "Test for Bacterial endotoxins" ... (30 ... 5 ...) ... RS ... 0.01 ...

streptomycini sulfatis pulvis ad injectionem

مسحوق سلفات الستربتومايسين لأجل الحُقن

streptomycin sulfate powder for injections

[illegible] **Composition:** [illegible]

[illegible] **Description:** [illegible]

[illegible] **Category:** [illegible]

[illegible] **Storage:** [illegible] 25°ﻡ. [illegible] 4 [illegible] 8-2 °ﻡ.

[illegible] **Labelling:** [illegible]

[illegible] **Additional information:** [illegible] WHO [illegible] 1 [illegible]

[illegible] "Methods of sterilization" [illegible] 4 [illegible] 37).

REQUIREMENTS [illegible]

[illegible] "Parenteral preparations" [illegible] 4 [illegible] 56).

Identity testes [illegible]

- [illegible] A [illegible] B [illegible] C [illegible] D.

A: [illegible] "Thin-layer chromatography" [illegible] 1 [illegible] 84) [illegible] 0.3 [illegible] R [illegible] 240 [illegible] R3 [illegible] 30 [illegible] 7.0 [illegible] TS (~80[illegible]) [illegible] 0.75 [illegible] 100 °ﻡ [illegible] TS (70[illegible]) [illegible] 10 [illegible]

ğǺǺŸè фη ŊŸη 5 ǜζǺǑǩ фǑΣā ǑDZɉ àζĦÊţā фη ĞŁŧõ āāØǩ (A) òζŸ ɫā ǑDZɉ :ǦŁǑǺǬǑā ǦǬ₮ǯǑā ǑŁǑǺɫā фη ǺǬǑşǺǑη
.ǒǺη Ǒη 10 Ž RS ƙÊǺǺηζǬǺǺǬÊǑā ğǺǺŸè фη ŊŸη 10 āāØǺ (B) òζŸ ɫā ǑDZɉ .ǒǺţā фη Ǒη 5 Ʒη ƙÊǺǺηζǬǺǺǬÊǑā
Ž RS ƙǬŁÊŁηāǺǺǑā ğǺǺŸè Ƀáǻǵǚ ӯζǺáζò фη ŊŸη 1ş RS ƙÊŁηǺǬǺǑǑā ğǺǺŸè Ƀáǻǵǚ ӯζǺáζò фη ŊŸη 1 āāØǺ (C) òζŸ ɫā ǑDZɉ
øǺŁǩ Ž Ȥ DzǬǑ ōǺǬǩ āāǺ ÎǬèɍā gǺDzǵ фη ǦĦŁǺÔǑā ţÂøφ ÆĦæ .ɭè 12 ǴζǺÊη ǦĦŁǺÔǑā ǺȚȚǩ .B òζŸ ɫā фη Ǒη 1
(ò/ȟ635~) ÕǺøζǺŸÊǑā Ȑ ƥş TS òζφǺǯǺqā/òζǺá-3,1 ƙǑǺǯǺφ фη ǦǑáǺĦǬη ӯζDzǵ фη ɉǺÂη æǺǺş ÛøǺΣā ǒāζTā фη
.øǺȚǺǑā ǒζȑ Ž āāǺ ÎǬèɍā ǕÛƯ ǑĦǺǺş ȨəǺęá 10-5 gǽη °ӯ 150 ǦDZøÆǑǺæ ǦĦŁǺÔǑā фǺÊǩ .TS
ɉζǑǺ ɍ .B òζŸ ɫǺæ ǦŸÔĦǬÊţā ÕŸǩ Ʒη gÆÎǑāş ǺȚȚţāş Ʒęζţā Ž A òζŸ ɫǺæ ǦŸÔĦǬÊţā ǦŁÊŁəǺǑā ǦĦǑǦǑā Ȩζāζǩ
.dzζȑζæ ǦŸÔǺǺη ƷǑæ ǫ₮ǭ C òζŸ ɫǺæ ǑÔĦǬÊţā āāǺ ÎǬèɍā ǕÛƯ ǺȚşǚ āæǚ ɍǚ ǺęşÆÔη øǺǬǬǹɍā
1 ȢǺȒǺ ÛǒǺţā фη Ǒη 4 Ž ƙÊǺǺηζǬǺǺǬÊǑā ğǺǺŸè фη ȟ 0.1 ǜζǺǑǩ фǑΣā ǑDZɉ àζĦÊţā фη ĞŁŧõ āāØǩ :B
фη Ǒη 1.5 ĞŁŧõ ȢǺȒǺş áƎǺ .ȨəǺęá 5 gǽη ɄəǺη ӯǺƥ Ž фǺÊǺş ÛTS (ò/ȟ80~) ӯζǺáζÔǑā ÆŁÊõşøÆŁ Ǒη
.ÆǺÆì ɄDzÊǺǺæ ɉζǒ ɉǬǺǺ ǕTS (ò/ȟ25) ÕǺƘǺǑā ÆǺøζŸõ фη gÆǵāş gǺǕęş TS (ò/ȟ70~) ÕǺøζŸõşøÆŁTā Ȑ ƥ
1 ȢǺȒǺ ÛǒǺţā фη Ǒη 2 Ž ƙÊǺǺηζǬǺǺǬÊǑā ğǺǺŸè фη ȟ 0.1 ǜζǺǑǩ фǑΣā ǑDZɉ àζĦÊţā фη ĞŁŧõ āāØǩ :C
.Ǻƥǚ ɉζǒ ɉǬǺǺ ǕǒǺţāş TS (ò/ȟ40~) ӯζǺáζÔǑā ƘǺøζŸõζǦŁ фη ǦǑáǺĦǬη ӯζDzǵ ɉǺÂη фη Ǒη 2ş TS1 òζǯǺφ-1 Ǒη
ǑƷǺǺǬǑā ɄÛĦǺ ƙÊǺǺηζǬǺǺǬÊǑā ğǺǺŸè фη ŊŸη 50 ǜζǺǑǩ фǑΣā ǑDZɉ àζĦÊţā фη ĞŁŧõ ʔŸƷ Ƀζǫɫā òζŸ ɫā :D
Û1 ÆŸǑā) .ğǺǺŸÊŸǑ ÂŁŧŧõ "General identification tests ǦηǺĦǑā ȢāǺĦǬèɍā ğāøǺǬǹā" ɉāζǺƷ ƘƠ Ȣζòζţā A
.(123 ǦĦǺÔǑā

ȟ 2.5 øǒ ǜζǺǑη фǑΣā ǑDZɉ àζĦÊη òζŸȚ ɉζǑǺ :**Clarity and colour solution** òζŸ ɫā ɉζǒş ǒǺǺÔǑā
ȘǺƷ) .ɉζŸǑā ǢÆƷş ǺŁζǺò R ɉζāǺǑǑā ÆŁÊõşǚ ɄəǺǬ фη ƃǺʅā ǒǺţā фη Ǒη 10 Ž ƙÊǺǺηζǬǺǺǬÊǑā ğǺǺŸè фη
.("ǒǺŁǺǦǑā ǦŧŁę" ǑDZɉ òζŸ ɫā

ζŸŁõ 0.6 àşǺDzǬǺ ɍ) ȐǺǺǺη ǛȢȑ ƘƠ фǑΣā ǑDZɉ àζĦÊţā ȤǺƶ :**Loss on drying** ȤŁǺDzǬǑǺæ ÆǑǺǑā
.ȟ/ŊŸη 70 фη ǺǯõǚÆǑǺǑā ɉζǑǺ ɍ ǕğǺƷǺè 3 gǽη °ӯ60 ǦDZøÆǑǺæ (ȨǦəà ɭη 5 şǚ òǺǑèǺæ

.8.0-5.0 Û"òζŸ ɫā ɉζǒş ǒǺǺÔǑā" ǑDZɉ ǺȒɫā òζŸ ɫā ǒǺŁǺæ :**pH value** ǒǺŁǺǦǑā Ǧŧŧę

:**Assay** ĞÊǺǺǑţā

.Ȣζòζη ζŁ ǺŧõĞÊǺǺǑţā ʔǺθş ğǺşǺǵ ǺÎƷ ğǺζǬȚ ǯǺǬ

ǦǺζŁΣā ğāǺȒŧŸǑ ǦŁDZζòζŁşǺǑţā ĞÊǺǺǑţā" ɉāζǺƷ ƘƠ Ȣζòζη ζŁ ǺŧõĞÊǺǺǑţā ʔǺθ :**Potency** ǦŁŸƷǺǺǑā
Bacillus ǦǑęǺǑā ǦǺζÔĦǑā (a) Ǻηǚ ӯǺÆǺǬèǺæ Û(155 ǦĦǺÔǑā Û1 ÆŸǑā) "Microbiological assay of antibiotics
Û8.0-7.9 ɄəǺŒ ǒǺŁǺæ şæ Cm1 ţøà Ǜèş ÛøǺǬǹŸǒ ȨŁęá Ʉǵ фǺǑõ (ATCC 11774 şǚ NCTC 8236) *subtilis*

[illegible] 20 [illegible] 5 [illegible] TS2 [illegible] TS1 [illegible] 8.0 [illegible]
(ATCC 6633) *Bacillus subtilis* [illegible] (b) [illegible] 39-36 [illegible] 1 [illegible]
TS1 [illegible] 8.0 [illegible] 8.1-8.0 [illegible] Cm1 [illegible]
[illegible] 1 [illegible] 15 [illegible] 3 [illegible] TS2 [illegible]
estimated potency (P = 0.95) [illegible] 37-35
[illegible] %105 [illegible] %95 [illegible].

[illegible] 1 [illegible] 720 [illegible] (P=0.95) [illegible]
[illegible]
[illegible].

[illegible].

[illegible] 0.1 [illegible] :**streptomycin sulfate** [illegible]
[illegible] 5 [illegible] 5 [illegible] 100 [illegible]
[illegible] 5 [illegible] 10 [illegible] VS (v/v 0.2) [illegible]
[illegible] TS2 [illegible] 25 [illegible] 3 [illegible]
[illegible] 25 [illegible].

[illegible] 525 [illegible] 1 [illegible]
[illegible]
[illegible] ($A^{1\%}_{1cm}$ = 11.8) 1.18 [illegible] $(C_{21}H_{39}N_7O_{12})_2,3H_2SO_4$
[illegible] 800 [illegible]
[illegible] 1 [illegible]
[illegible] $C_{21}H_{39}N_7O_{12}$ [illegible] %115.0 [illegible] %90.0 [illegible].

[illegible] 1 [illegible]) "Sterility testing of antibiotics [illegible]" [illegible] :**Sterility** [illegible]
[illegible] (162 [illegible].

[illegible]" [illegible] :**Bacterial endotoxins** [illegible]
[illegible] (30 [illegible] 5 [illegible]) "Test for Bacterial endotoxins [illegible]
[illegible] 0.25 RS [illegible].

ƕĭǄɰɵǁɛ üĭǁɟɵǄǁɛǌ ɓɟɠƚɑ˥Ű́ɛ üĭǁɟɵǄǌ ɛ ʅɛǌǀǁɛ ƕǄəɟƽ

LIST OF REAGENTS, TEST SOLUTIONS,

AND VOLUMETRIC SOLUTIONS

ƕĭDŽШѲǁɛ üĭǁƑѲDŽǁƐǋ ƥƑǤƗƢƲɛ üĭǁƑѲDŽǋ ƹ ƪƐǋǀǁɛ ƕDŽəƑƷ

LIST OF REAGENTS, TEST SOLUTIONS, AND VOLUMETRIC SOLUTIONS

List of ǦƗȶDzΣǟ ǬƗǒȦǂǟş ǿȦǪǹɍǟ ǬƗǒȦȚş Ȥ ǐǟȥǑǟ Ǧȶəȩ" ǦȠǼǬȠ Ž ǥǻǿǟȥǟ ğȦȚǵȹȶǟ Ƃǚ ȻȦǪȹɍǟ ʔDZȦȦ Ȥ ȲǪǺȶ dzşȦǐ ʔȲʒ ɃȥǪƠ ɄȤ 2 ǼȲŎǟ Ž ǥǿȤȊȦȶǟ "reagents, test solution, and volumetric solutions
.ǦȠǼǺǪȆȶǟ ğǟǿȦȎǪǹɍǟ

:njǫǁ ȣƥƨĭƑDŽ ƕĭəƑĭDŽĭǀǁɛ ƕĭɣШƥDŽǁɛ ƣƐǋDŽǁɛ

WHO Collaborating Centre for Chemical References Substances, Apoteksbolaget AB, Centrallaboratoriet, S-105 14 Stockholm, Sweden. (Telex: 115 53 APOBOL S, Fax: +46 8 740 60 40.)

TSȖ**4.6** ǒȦȽȦǟ Ȗ**Acetate buffer** ğȦǪƗȅɉǟ Ǧəǿǟǻ

ȒȶШ 4.6 Ƃǚ ǒȦȽȦǟǟ ǴȞȎǨ ȖǒȦȠ ǬȠ 50 Ž R ȳȥȦǻȥǬǟ ğȦǪƗȅǚ ȹȠ ȟ 5.4 ǟǟǾȦ :*Procedure* ǒǟȦDZǫǟ
.ǒȦȶȦǟ ǬȠ 100 Ƃǚ ȤȦƩş ȖR ɄDzȲȷǟ ǬǪƗȅɉǟ

TSȖ**6.0** ǒȦȽȦǟ Ȗ**Acetate buffer** ğȦǪƗȅɉǟ Ǧəǿǟǻ

Ȓƥ ȹȠ ǬȠ 4.1 ȣȦȒȦ ȖǒȦȶǟ ȹȠ ǬȠ 300 Ž R ȳȥƗȥȠɉǟ ğȦǪƗȅǚ ȹȠ ȟ 100 ǟǟǾȦ :*Procedure* ǒǟȦDZǫǟ
ȖTS (ȯ/ȟ300~) ǬǪƗȅɉǟ ȒȶШ şǚ TS (ȯ/ȟ100~) ȦƗȥȠɉȦǟ ȦȠǚ 6.0 Ƃǚ ǒȦȽȦǟǟ ǴȞȎǨ ȖɄDzȲȷǟ ǬǪƗȅɉǟ
.ǒȦȶȦǟ ǬȠ 500 Ƃǚ ȤȦƩş

Ƃǚ ɄDzȲȷǟ ǬǪƗȅɉǟ Ȓƥ ȹȠ ǬȠ 4.2 ȤȦǺȦǟ ȦȒȚ ȯȥȲȚ :**VS** (ȯ/ȯȥȠ **0.07**) **Acetic acid** ǬǪƗȅɉǟ Ȓƥ
.ǒȦȶȦǟ ǬȠ 1000

.**TS** (ǬȠ/**Al** ȳǟȦȡşȦǬȠ **10**) **Aluminium standard** ɃǿȦƗȟȶǟ ȳȥƗȥȠɉǟ

VS (ȯ/ȯȥȠ 0.05) ǬȦǿȥȦȲǟǟ Ȓƥ ȹȠ ǬȠ 5 Ž R (alum) ǼȊǟ ȹȠ ȠȲȠ 17.6 ǟǟǾȦ :*procedure* ǒǟȦDZǫǟ
.ǒȦȶȦǟ 100 Ƃǚ ȤȦƩş

1000) ɃǿȦƗȟȶǟ ȳȥƗȥȠɉǟ ğǟȦǪ ȯȥȲȚ ȳǟǼǺǪȅǟ ȦǿȦȦ ȦȆǪȦ ǟǾȽ ǿȦǪǹɍǟ ȯȥȲȚ ƘȒƠ ǬDZɉ :ǦȚǵȠ
.ȦȒȦǚ ȳȥƗȥȠɉǟ ğǟȦǪ ğǟǿǼȽɍ şǚ TS (ǬȠ/Al^{+3} ȳǟȦȡşȦǬȠ

Aluminium potassium sulfate dodecahdrate; ȳȥƗȥȠɉǟ ȳȥƗȅȦȥȥ ğǟǿǼȽ ɃȦȲʒ ȦȦǚ :**R (Alum)** ǼȊǟ
.(29 ǴȞȦǬǟ Ȗ1963 ȖSRIP) KAl$(SO_4)_2$,12H_2O

.ǦƗşǻ ǦəȦƗȶǬ ǦȟDZȦȠ ǥȦȠ :**RS (Amidotrizoic acid)** ǬȦşȦȦȦ şǼȠɉǟ Ȓƥ

[illegible] -6,4,2 [illegible] (3-Amino-2,4,6 triiodobenzoic acid) **RS**: [illegible]

[illegible] (**Ammonium choride buffer**) [illegible] **10.5** [illegible] **TS**: [illegible] 10.5.

procedure: [illegible] 6.95 [illegible] R [illegible] 75 [illegible] (260~ [illegible]) TS [illegible] 100.

[illegible] **TS (Ammonium choride)** [illegible] (**Nessler's reagent** [illegible]).

procedure: [illegible] 3.15 [illegible] R [illegible] 1000.

[illegible] **TS (Ammonium choride, dilute)**:

procedure: [illegible] 10 [illegible] TS [illegible] 1000.

[illegible] (**Ammonium pyrrolidinedithiocarbamate**) **R**: 1- [illegible] (**1-pyrrolidinecarbodithiocarbamate**) $C_5H_{12}N_2S_2$. [illegible]

[illegible] (**Ammonium pyrrolidinedithioate**) **TS** ([illegible] **10**):

procedure: [illegible] 10 [illegible] R [illegible] 25 [illegible] 1.0 [illegible] 100.

[illegible] (**Ammonium thiocyanate**) **VS** ([illegible] **0.05**):

[illegible] R [illegible] 3.806 [illegible] NH_4SCN [illegible] 1000.

Method of standardization: [illegible] VS ([illegible] 0.1) [illegible] 1 [illegible] 182.

[illegible] **R (Arachis oil)**: [illegible] 4 [illegible] 234).

[illegible] **RS (Betamethasone sodium phosphate)**: [illegible]

[illegible] **R (Bismuth subnitrate)**: [illegible] $Bi_5O(OH)_9(NO_3)_4$.

[illegible] 71.5%

.ĞÀÀŎä gẚÅţä БǗ ţ ɀDZÀǒÀæ Ğæɀ ÊŢ ÛBi ğɀŋÂĜöä ȸŋ %74.5 ȸȝ ÆÂÂÂ ɍş

. Ȑ Æǽ ȧɀĦÊŋ :**Description** Ȥ ȍɀöä

ÕÂøɀŸÕşøÆŒTä Ȑ þ Ž ā ä şæ ÛTS (ȯ/ȟ 750~) ȯɀ ȹÅȝÂq Ž ɍş ŏÅţä Ž ā ä şæ ɍ ÆŒŸŧȝ :**Solubility** ĞŒȹÅæşØöä

.TS (ȯ/ȟ1000~) ÕÂÀȹÆöä Ȑ þş TS (ȯ/ȟ250~)

:**R (Brilliant green)** ĞǨŋŸöä gÀȐ ʅ ä

[4-[*p*-(Diethylamino)-α-phenlbenzylidene]-2,5-cyclohexadien-1-ylidene]diethylammonium hydrogen sulfate;$C_{27}H_{34}N_2O_4S$; C.I 42040; Malachite green G; C.I.Basic green1.

.gǨ8ȍ ĞŒĜŁæ ĞÅöǪȹŋ ğ ä øɀŸæ :Description Ȥ ȍɀöä

:**TS (Brilliant green/acetic acid)** ÕŒȹŒè ɉ ä Ȑ þ/ĞǨŋŸöä gÀȐ ʅ ä

ȝ ÅȹȹǬ R1 ȾDZɀŸȝöä ÕŒȹŒè ɉ ä Ȑ þ ȸŋ ĞŒɀÅÕ ĞŒŧÕ Ž R ĞǨŋŸöä gÀȐ ʅ ä ȸŋ ȟ 0.5 ā ä ØÂ :*procedure* ŏäÀDZǬä

.Ōŋ 100

:**TS1 (Bromocresol green)** ȯşÂÂÀÕɀŋşƎöä gÀȐȵ

ÿɀŒèÅǩɀĜöä ƙDZşøÆŒŁ ğ ɍÅȝɀ ȸŋ ȟ 1.021ş R ȯşÂÂÀÕɀŋşƎöä gÀȐȵ ȸŋ ȟ 0.05 ā ä ØÂ :*procedure* ŏäÀDZǬä

.gøşÀȐöä Æ ÂȝĞ ĭ̇ÀŁ .ŏÅţÅæ Ōŋ 100 БǗ ȤÅƩş .VS (ȯ/ȯɀŋ 0.2) ÿɀÂẚɀÔöä ÆŒÊÕşøÆŒŁ ȸŋ Ōŋ 6 Ž R

:**TS (Bromophenol blue)** ȯɀÆŒɀɀŋşƎöä ĞȩøȁÀ

ÆŒÊÕşøÆŒŁ ȸŋ Ōŋ 3.73 Ž ȤŒÛŸöä ƙÅÊȹöä ȝŋ R ȯɀÆŒɀɀŋşƎöä ĞȩøȁÀ ȸŋ ȟ 0.05 ā ä ØÂ :*procedure* ŏäÀDZǬä

.ŏÅţÅæ Ōŋ 100 БǗ ȤÅƩş .VS (ȯ/ȯɀŋ 0.02) ÿɀÂẚɀÔöä

.(56 ĞĦÅÔöä Û1963 ÛSRIP) $Ca(C_2H_3O_2)_2,H_2O$:**R (Calcium acetate)** ÿɀŒÊöÅÒöä ğ ÅȹŒèǗ

ŋŸĜÂ ʔɀȹŢ БǗ ŏÅţä Ž R ÿɀŒÊöÅÒöä ğ ÅȹŒèǗ ā ä Øǩ :**VS (ȯ/ȯɀŋ 0.25)(Calcium acetate)** ÿɀŒÊöÅÒöä ğ ÅȹŒèǗ

.Ōŋ 1000 Ž $Ca(C_2H_3O_2)_2,H_2O$ ȸŋ ȟ 44.04

.CaF_2 :**R (Calcium fluoride)** ÿɀŒÊöÅÒöä ÆÂøɀŸɀ

. Ȑ Æǽ ȧɀĦÊŋ :*Description* Ȥ ȍɀöä

.ĞÀÀÅţä ȏ ɀŧΣä Ž ȷ Åæ şØöä ĞŒĦ ȉ ÜöÅţä Ž ā ä şæ ɍ ÆŒŸŧȝ :*Solubility* ĞŒȹÅæşØöä

:**VS (ȯ/ȯɀŋ 0.01) (Ceric ammonium)** ÕÂƘÊöä ÿɀŒȹɀŋǗ ğ äÀȹ

1) ÕÂÀȹÆöä Ȑ þ ȸŋ ĞŒɀÅÕ ĞŒŧÕ Ž R ÕÂƘÊöä ÿɀŒȹɀŋǗ ğ äÀȹ ȸŋ ȟ 5.482 ā ä ØÂ :*procedure* ŏäÀDZǬä

.ĞĭÀÂş ÛŌŋ 1000 ȝ ÅȹȹǬ VS (ȯ/ȯɀŋ

[illegible] :*Method of standardization* [illegible] 0.01 [illegible]
[illegible] 2.0 [illegible] (0.1) VS [illegible]
[illegible] 100 [illegible] TS [illegible]
[illegible] (0.1) [illegible]

RS (Chloroquine sulfate): [illegible]

RS (Cisplatin): [illegible]

TS 4.0 (Citrate buffer): [illegible]

procedure: [illegible] 10.5 [illegible] 100 [illegible] 100 [illegible]
[illegible] VS (0.1) [illegible] 500 [illegible] 100 [illegible]
[illegible] VS (0.1) [illegible] 250 [illegible]

TS (Copper tetramine hydroxide): [illegible]

procedure: [illegible] 34.5 [illegible] (II) [illegible] 100 [illegible]
[illegible] TS (260) [illegible] 20° [illegible]
[illegible] TS (~400) [illegible] 30 [illegible]
[illegible] 40-16 [illegible] 200 [illegible]
[illegible] TS (~260) [illegible]

RS (Dactinomycin): [illegible]

R (Diisopropyl ether): [illegible] $C_6H_{14}O$.

Description: [illegible]

Boiling point: 68° [illegible]

Note: [illegible]

TS (Disodium chromotropate): [illegible]

procedure: [illegible] 5 [illegible] 10 [illegible] 9 [illegible]
[illegible] TS (~1769) 4 [illegible]

RS (Disodium edetate): [illegible]

Dodecyldimethyl(2-phenoxyethyl)ammonium bromide; :**R (Domiphen bromide)** ƙÀǌƞşǽǒā ǽǌƞşÀǣ

$C_{22}H_{40}BrNO$.

.ǋǛǤ gÀÀÔƞ şǕ ȷ ζǓā Ǧςǽȝ ǦǾζǓǣ Ęǝǻø :*Description* Ȥòζǒā

.R ȷζǬèɉā Ž āǻşǽ ǕTS (ȯ/ȟ750~) ȯζǬǯǻqǻş ǒǻʈā Ž ȷǻşǾǒā Àǵ :*Solubility* ǦǬǻşǾǒā

ȸƞ ȟ 10 ǦǣāÀę ȝǓȝ ȸζǬȜ R ƙÀǌƞşǽǒā ǽǌƞşǯǒ ȯζǓƮ :**TS (ȯ/ȟ10) (Domiphen bromide)** ƙÀǌƞşǽǒā ǽǌƞşÀǣ

.ÀǬǓā Ž $C_{22}H_{40}BrNO$

:**TS (Dragendroff reagent)** ȣøşǻ ȸqǻøǻ Ȥìǻõ

Ȑƥ ȸƞ Ōƞ 10 Ž R ğζƞÂǦā ğǻÀǬ ƘƠ ȸƞ ȟ 0.85 āşǾǻ ȝøǬǵ gζǕǣ ǯÀǻ :*procedure* ǒǻÀǲqǻ

ȯζǓƮ) ǒǻʈā ȸƞ Ōƞ 20 Ž R ȳζǬèǻƙζǦā ǽǻǻζǻ ȸƞ ȟ8 āǻǾǻ .(A ȯζǓƮ) ǒǻʈā ȸƞ Ōƞ 40ş R ɄǲζǓǯǒā ŌǬǬèɉā

.R ɄǲζǓǯǒā ŌǬǬèɉā Ȑƥş Bş A ƙǒζǓǂā ȸƞ ǦǻşǻÊǬƞ ȳζǲǵ ǯÂǬ gÀìǻǦƞ ȳāǽǺǬèɍā ŌǦę Ǖ(B

.ǒζȒǒā ȸƞ Bş A ƙǒζǓǂā ǦǻÀƥ Ǣƶ :*Storage* ȸǻÂǺǬǒā

:**TS (Dragendroff reagent, modified)** ȯǽǶʈā ȣşøşǻ ȸqǻøǻ Ȥìǻõ

ƙǒζǓǂā ȸƞ ȷζȮƞ ǰǻÂƞ ȸƞ Ōƞ 4 ƂǕ TS (ȯ/ȟ60~) ŌǬǬèɉā Ȑƥ ȸƞ Ōƞ 20 ȣǻȒǻ :*procedure* ǒǻÀǲqǻ

.TS ȣøşǻ ȸqǻøǻ ȤìǻȮǒ Bş A

.ȯǻȶǶǬèɍā ŌǦę gÀìǻǦƞ ȯζǓǂā ǻǾȽ ƘȒƠ Ǣƶ :*Note* ǦȚǵƳƞ

.ǦǒşǻǦǝǽȶǬõ ǦǶǲǻƞ gǻǻƞ :**RS (Ephedrine sulfate)** ȸǻøǽζqǻ ğǻÀǓè

:**TS (ȯ/ȟ535~) (Ethanol)** ȯζǬǯǻqǻ

.Ōƞ 1000 ǯǻǬǬq ǒǻʈā ȸƞ ǦǬζǻõ ǦȶȮǣ TS (ȯ/ȟ750~) ȯζǬǯǻqǻ ȸƞ Ōƞ 623 ȤǻƩ :*procedure* ǒǻÀǲqǻ

:**TS (ȯ/ȟ457~) (Ethanol)** ȯζǬǯǻqǻ

.Ōƞ 1000 ǯǻǬǬq ǒǻʈā ȸƞ ǦǬζǻõ ǦȶȮǣ TS (ȯ/ȟ750~) ȯζǬǯǻqǻ ȸƞ Ōƞ 519 ȤǻƩ :*procedure* ǒǻÀǲqǻ

:**R (Ether,peroxide-free)** ǽǬÊõşƘǦā Àǵ Ƙǒɉā

55 Ž R àşƘÀǒā ğǻÀǓè ȸƞ ȟ 30 øǒ ȯζǓƮ ȸƞ Ōƞ 20 ȣǻȒǻ R Ƙǒɉā ȸƞ Ōƞ 1000 ƂǕ :*procedure* ǒǻÀǲqǻ

ǻζǶǩ ɍ gƘȣò ǦǽȝȝøǬǵ ƺÀǒā ȝǣǻǬǻ .TS (ȯ/ȟ1760~) ŌǻøζǻǓÊǒā Ȑƥ ȸƞ Ōƞ 3 ȝƞ ǰǻÂʈā ƺÀǻş ǒǻƞ Ōƞ

.TS ǻÎǻǒā ȸƞ Ōƞ 0.1ş R ȳζǬèǻƙζǦā ǽǻǻζǬǒ ȯ/ȟ20 ȯζǓƮ ȸƞ ȯǻǶƞ ǈǲζǵ ȝƞ ƺÀǩ ǻƞǽǻȝ ǽǶǣ ȧøàǕ ǻǬζǒ ǰǬǩ

:**TS (Ferrion)** ȷζǻƘÀǒā

ǦǣāǽǕǣ ÀȒƮ ǕR àşƘÀǒā ğǻÀǓè ȯζǓƮ ȸƞ Ōƞ 10 Ž R ƙǒşÀǯǬǻǽζ-*0* ȸƞ ȟ 0.15 āǻǾǻ :*procedure* ǒǻÀǲqǻ

0.70 ... 100 ... R ...

Note: ... 0– ...

Storage: ...

(Ferrous ammonium sulfate) ... **0.1** ... VS:

procedure: 40 ... R 100 ... (~190) ... TS 1000 ... R.

Method of standardization: ... 0.1 ... : 25 ... 10 ... (~100) ... TS 1 ... (~1440) ... TS ... 0.02 VS. 1 ... 0.02 VS ... 39.21 ... $(NH_4)_2Fe(SO_4)_2$

Ferrous sulfate ... TS (7): ... R ... 7 ... $FeSO_4$ ...

Note: ... (7) TS ...

... **RS (Fluoxacillin sodium)**: ...

... **TS (Fuchsin/sulfurous acid)**:

procedure: 0.10 ... R 50 ... 20 ... (50) TS 1 ... (~420) ... 100 ... TS ... 24 ...

... **TS (Hydroxylamine hydrochloride)**:

procedure: 1 ... R 50 ... 50 ... (~750) TS 1 ... TS ... 0.1 ... VS ...

... **(Hydroxylamine hydrochloride)** ... (70) TS:

procedure: 69.5 ... R ... 1000 ... (1) ...

-8 ƙǒζÆõ ɄÊõşøÆĿ (**8-Hydroxyquinoline**) **R:** 8-õÆζÆǒζǒÜ C_9H_7NO

ǒǒζ *Description*: ȧζĦÊɳ Ɓøζÿ Ȑ Ɓ Ȑ ÀÀÔɳ.

ĞÆǒÀşØǒ *Solubility*: ȶȝÆŦ ɍ ȧșǽ ā Ž ǒÀʈ ǒÀʈ şǰ ƘǫɉşÜR ǵÀ ǒǒØşÆɈ Ž ǫÀǰφζǒ (~750ȟ/ǒ) TS ȿşɉèÆζɈ R
şÆÒǒζşζζøÿ R.

ǒĞÛÖ ɍÔTÀø *Melting point*: 74 ȳ° ǨÕÀÀĞÆ.

-8 ƗƗşøÆõ ɄÊõşøÆĿ ƙǒζÆõ/õÿζşζζøÿ (**8-Hydroxyquinoline/chloroform**) **TS:**

ǫÀǰǒǒ *procedure*: ÀØā 1 ȟ ɳȸ -8 ƗƗşøÆõ ɄÊõşøÆĿ ƙǒζÆõ R Ž õȶĞ õÀζĞ ɳȸ ǒǒÒÿζşζζøÿ ɋφÀǯ 100
ɳÕ.

ȸȹ Ȑ ǒǒζÈζζζǒTǒ (**Hypophosphorous acid**) **R:** ȹȸ Ȑ ǒǒÀèζÀøζÕÜ H_3PO_2 (SRIP Û1963 Û ǒǒÔÀĦĞ
100).

ȸȹ Ȑ ǒǒζÈζζζǒTǒ ȶÅÀζ (**Hypophosphorous acid,dilute**) **TS:** ŢζǒÒ ΣȶȐ ǒǒζÈζζζǒTǒ R ȝǒζɃ
ȝÿɁ 100 ȟ ɳȸ H_3PO_2 1000 Ž ɳÕ.

ǒTĞζàǒǫɁƘ (**Hypoxanthine**) **R:** Purin-6(1*H*)-one;$C_5H_4N_4O$

ǒǒζ *Description*: ȧζĦÊɳ Ɓøζÿ Ȑ.

ĞÆǒÀşØǒ *Solubility*: ìĦĞǴ ǒǒØşÆɈ ZĐÆ Ž ǒÀʈÖÜ ęÿÆÕ ǒǒØşÆɈ Ž ǒÀʈ ʈ8ÿɁÜ ØşāŽ ǒΣȶζ ô ǒȶÅÀĞ
ŞŢÀǒÕ ǒTÆõşøÆĿÆ ǒǒÒÿζĞ.

ÆĿşøÕÿζøÆ ǒɋɳĞÆɳ (**Imipramine hydrochloride**) **RS:** ɳÀǵ ɳÀZDĞĦ õÆȶÀǝĞ áşǒĞ.

ǒǒÆζáÆ ǒĦÀÆøɃ (**Iodide standard**) (20 ɳÖÀşdÀÿ ɪ/ɳÕ) **TS:**

ǒǒÀDZɋ *procedure*: ÀØā 26.0 ɳÿɳ ɳȸ ÆζáÆ ǒζÆǩÈÆζÿ R Ž õȶĞ õÀζĞ ɳȸ ǒÀʈ ɋφÀǯ 100 ɳÕ. ƩÀȤ 10
ɳÕ ɳȸ ĿØā ǂÿζǒ Ɓ 100 ɳÕ ǒÀȶǒ.

ǒǒζá (**Iodine**) (**0.0005** ɳζǒ/ǒ) **VS:** ÀØā ǒǒζá R şζáÆ ǒζÆǩÈÆζÿ R Ž ǒÀʈ Ɓ ŢÒζɁ ĞÿɳĦ 0.127 ȟ ɳȸ I_2
şÆ 0.18 ȟ ɳȸ KI Ž 1000 ɳÕ.

ǔÀÕĞ ȐÕǒǒ *Method of standardization*: ƶÀɃ ǒǒǰƘ ɳȸ ǒǒÀõÆÂ ȶȐĞζȓ ÿĦζǒ ǒÆĞȶ ǒǒÀȶ ǒÛÀÕĞ
ȶζòζζĞ ƘƠ ɃÆζɈ "ǒǒζá (ɳζǒ/ǒ 0.1) VS" (ǒŎÿÆ 1 Û ǒǒÔÀĦĞ 202).

ǒǫÆζŁÒÊζǒ (**Iohexol**) **RS:** ɳÀǵ ɳÀZDĞĦ õÆȶÀǝĞ áşǒĞ.

ȸȹ ǒǫÆζǒÆφǒÕ (**Iopanoic acid**) **RS:** ɳÀǵ ɳÀZDĞĦ õÆȶÀǝĞ áşǒĞ.

.ǦǁǒȘǻ ǦǁƏǼǁȽǁȭ ǦǁǨƊǼȠ ǥǻǼȠ :**RS (Iotroxic acid)** ȭǁÊȭȘǼǩȥǁǣ Ȑƥ

.(102 ǦǶǼÔǣǣ Û1963 ÛSRIP) Fe :**R (Iron reduced)** ȯÂǪǺȶǣ ǼǼǼΣǣ

.$C_6H_{12}O$ Ü4-Methyl-2-pentanone :**R (Isobutyl methyl ketone)** ȭǁȘǼȘÂǼɋǣ ȭǁǮǁȠ ȷȥǪǁȭ

.ǥÂǁư ǦǶƏǣǼǣ ÜȷȥǢǣ ǇǼȝ ȣǼȍ ȭƏǼȅ :*Description* ȤȍȥǢ

.°ȳ 115 ǦǣǣǼȩ :*Melting point* ǿǼȚÔǪɍǣ ǦÛȭǪ

.ǼǼǼȭǨ ρ_{20} = ȯ/ȠȭŐ.80 :*Mass density* ǦǢǪȮǣǣ ǦȥǼǮȭ

.176 ǦǶǼÔǣǣ Û2 ǼǢƒ ÛǥǻȘǼȥɉǣ Ž ȣȥȍȥȠ ȥȽ ǼȶȭǼǼǼǼǣȘÂǼɋǣ:**R (Isoniazid)** ǼǼǼǼȘÂǼɋǣ

:**TS (Isoniazid)** ǼǼǼǼȘÂǼǗ

Ȑƥ ȸȠ ȭȠ 0.12 ȣǼȒǼ ÛR ȯȥǪǼǮǼȶǣ ȸȠ ȭȠ 150 Ž R ǼǼǼǼȘÂǼɋǣ ȸȠ ȟ 0.1 ȁǣØǼ :*procedure* ǿǣǼǄɋǣ
.ȭȠ 200 ƂǗ R ȯȥǪǼǮǼȶǼ ȤǼƩȘ ÛTS (ȯ/ȟ420~) ȭǼǿȥǢȭȘǿǼǁȚǣ

.ǦǁǒȘǻ ǦǁƏǼǁȽǁȭ ǦǁǨƊǼȠ ǥǻǼȠ :**RS (Kanamycin monosulfate)** ƙÊǁȠǼǪǼȮǣǣ ǧǼǼǢȅ ǼǁǥȘ

.ǦǁǒȘǻ ǦǁƏǼǁȽǁȭ ǦǁǨƊǼȠ ǥǻǼȠ :**RS (Ketamine hydrochloride)** ƙȠǼǪǁȮǣǣ ǼǼǿȥǢȭȘǿǼǁȽ

ȟ 33.12 ȠǢǼ ȜȥǪȚ ƂǗ ǿǼȶǣ Ž R ȋ ǼȍǼǣǣ ǧǣǼǪ ȁǣǾǩ :**VS (ȯ/ȯȥȠ 0.1)** **(Lead nitrate)** ȋ ǼȍǼǣǣ ǧǣǼǪ
.ȭȠ 1000 Ž $Pb(NO_3)_2$ ȸȠ

ǦȭǼǼÛǣǣ ȶǼǼǼǼ ȯȥǢǶȽǢǒ ȓȥǦȒȶǣ ǼǁȭǼǪǣǣ ȸȠ ǨǁǮǪǣ ȜǼƶ :*Method of standardization* ȄǁǁȭǪǣǣ ǦȭǼǼǜ
.(204 ǦǶǼÔǣǣ Û1 ǼǢȮǣ) "VS (ȯ/ȯȥȠ 0.05) ȋ ǼȍǼǣǣ ǧǣǼǪ" ȷǣȥǼȝ ǨƠ ǦȥȥȍȥȶǢ

:**R (Lead nitrate paper)** ȋ ǼȍǼǣǣ ǧǣǼǪ ȧǿȘ

ȭȠ 100 Ž R ȋ ǼȍǼǣǣ ǧǣǼǪ ȸȠ ȟ 10 ȯȥǢȚ Ž ȴƏǤȠ ǴǁȉǼǩ ȧǿȘ ȸȠ ǛǼǼȉ ȄÛȣǼ :*procedure* ǿǣǼǄɋǣ
.Ȥ ǄǁǼ ȭǼǪǼȘ ÛǒǼȠ

m/m %17.4 ȸȝ ǼǼÂǼ ɍȘ *m/m* %16.7 ȸȝ ȭǼǼ ɍ ǼȠ ɃȥǪȜ :**TS (Lead subacetate)** ȋ ǼȍǼǣǣ ǧǼǪǁȅǗ ǨƠ
$C_8H_{14}O_{10}Pb_3$ ǦȣǁÔǢǒ ǼǼǼȭǨ ȨǣȥȠ ȥǗ ȜǢȝ Pb ȋ ǼȍǼǣǣ ȸȠ

ȷȥǣǼȮǣǣ ǼǁÊȭȘǗ ɄƏǼǪ ȸȠ ƂǼȴǣ ǿǼȶǣ ȸȠ ȭȠ 90 Ž R ȋ ǼȍǼǣǣ ǧǼǪǁȅǗ ȸȠ ȟ 40.0 ȁǣØǼ :*procedure* ǿǣǼǄɋǣ
.ŽǼÔǣǣ ŽǼÛǣǣ ȭƏǼÊǣǣ ȳǼǺǪÊǼȘ ȭǼǮǼ .TS (ȯ/ȟ400~) ȳȥǼǻȥÔǣǣ ǼǁÊȭȘǿǼǁǒ 7.5 ƂǗ ǿǼȽǼǦǣ ǴǶÔǩ .R

.ǼǼǁǄ ǦȭǢȣȠ ǦǼȘǼǧ Ž ȋ ǼȍǼǣǣ ǧǼǪǁȅǗ ǨƠ ȸǼÂơ Ǽƶ :*Storage* ȸǼÂǺǪǣ

$C_4H_4O_4$:**R (Maleic)** ȭǁǁǒǼȶǣ Ȑƥ

.ȷȥǢǣ ǦȤǼȝ ǧǣǿȥǢǼ :*Description* ȤȍȥǢ

[illegible] :*Melting temperature* [illegible] 135 °[illegible].

[illegible] **RS (Medroxyprogesterone acetate)**: [illegible].

[illegible] **R (Meglumine)**: $C_7H_{17}NO_5$ [illegible] (129 [illegible] 4 [illegible]).

[illegible] **(Meglumine)** **TS (100/[illegible])**: [illegible] R [illegible] 100 [illegible] $C_7H_{17}NO_5$ [illegible].

[illegible] :*Note* [illegible] TS (100/[illegible]) [illegible].

[illegible] **R (Mercuric iodide)**: [illegible] HgI_2.

[illegible] :*Description* [illegible].

[illegible] :*Solubility* [illegible] TS (~750/[illegible]) [illegible] R [illegible].

[illegible] :*Storage* [illegible].

[illegible] **R (Methylamine hydrochloride)**: CH_5N,HCl

[illegible] :*Description* [illegible].

[illegible] :*Solubility* [illegible] R [illegible] R [illegible] R.

[illegible] :*Melting temperature* [illegible] 228 °[illegible].

[illegible] **(Methylamine hydrochloride)** **TS (20/[illegible])**: [illegible] R [illegible] 20 [illegible] CH_5N,HCl [illegible].

[illegible] **R (Methyl green)**: [α-(*p*-Dimethylamino)phenyl]-α-[4-(dimethyliminio)-2,5-cyclohexadien-1-yliden]-*p*-tolyl] trimethylammonium dichoride;Basic blue 20; C.I.No.42585; $C_{26}H_{33}Cl_2N_3$.

[illegible] :*Description* [illegible].

[illegible] :*Solubility* [illegible] TS (~1760/[illegible]) [illegible].

[illegible] **R (Methyl green/iodomercurate paper)**:

[illegible] :*procedure* [illegible] 4 [illegible] 100 [illegible] 14 [illegible].

ğ ғÀÊ8ǒä şÆ8ǩ ɂøϘǵ ǒÀţÀǣ ÙǝäÀ Îǒä ŐÊ8ǩ .ǒÀţä ȸŋ Ōŋ 100 Ž R Ȭ ÆÀǻζÀ ȸŋ ÿäÀȡ 20ş R ÿζÈèÀǩζǴǒä
.ǒäζƬä Ž ƵDzϘǒ ȭÀϘǩş ɉζŸǒä ǴƩÆȝ

.ǒζȒǒä ȸŋ ÆȶƮ R ǻζȅǒä ğÀÕǴǝä/ŐÊǯÊţä ǥÀȒǹ ȧǿş ȸÀÂơ Ǣƶ :*Storage* ȸÀÂǺϘǒä

.$C_4H_5N_3O_2$:R (2-Methyl-5-nitroimidazole) ȯşǹäÆÈƩǕşÀϘ -5- ŐÊǯÊŋ -2

.°ÿ253 ǴǣäÀȩ :*Melting temperature* ǿÀȚÔϘғä ǴDZǿǻ

:R (Morpholine) ƙǒζζǿζţä

.(121 ǴɄÀÔǒä Û1963 ÛSRIP) C_4H_9NO ÜȸÀǹÀÊȭşǕ -4Û1-şǿÆÊĿ Ʉȝ ÀǣǿȪ

.$C_{10}H_8O_2$ ÜȯζÀǻ ƙǒÀǯÀϘ-3Û1 :R (Naphthalene-1,3-diol) ȯζÀǻ-3Û1-ƙǒÀǯÀϘ

.ɉζŸǒä ǴƩÆȝ ğäǿζŸǣ :*Description* Ƶȍζǒä

.R ƘϘɟäş TS (ȯ/ȟ750~) ȯζϘÀǯÀqäş ǒÀţä Ž ɉÀǣşǾǒä Àǵ :*Solubility* ǴȄϘÀǣşǾǒä

.ÆǴÀÄŐǩ °ÿ124 :*Melting temperature* ǿÀȚÔϘғä ǴDZǿǻ

:R (Naphthalene-1,3-diol/ethanol) ȯζϘÀǯÀqä/ȯζÀǻ -3 Û1- ƙǒÀǯÀϘ

ǯÀϘq TS (ȯ/ȟ750~) ȯζϘÀǯÀqä ȸŋ ǴȄζÀȭ ǴȄƮȭ Ž R ȯζÀǻ-3Û1-ƙǒÀǯÀϘ ȸŋ ȟ 0.2 ǟäǾÀ :*procedure* ǒäÀDZq
.Ōŋ 100

:TS (1-Naphthol/ethanol) ȯζϘÀǯÀǕ/ȯζǯÀϘ-1

ǴȄƮȭ ȣÀȒÀş TS (ȯ/ȟ750~) ȯζϘÀǯÀqä ȸŋ Ōŋ 60 Ž ÛR ȯζǯÀϘ-1 ȸŋ ȟ 0.05 ǟäǾÀ :*procedure* ǒäÀDZq
.Ōŋ 100 ǯÀϘq ǒÀţä ȸŋ ǴȄζÀȭ

ȯζϘÀǣşÀǣ-1/ƙŋɟä ɄǝÀϘ ƙŸǯÀǕ (ŐÊǯζÀϘ-1) -N ÆÀǿζŸȭşǿÆĿ

:TS [*N*-(1– Naphthyl)ethylenediamine hydrochloride/1-propanol)]

ȸŋ Ōŋ 3 ȣÀȒÀ TS (ȯ/ȟ1) ƙŋɟä ɄǝÀϘ ƙŸǯÀǕ (ŐÊǯζÀϘ-1)-*N* ÆÀǿζŸȭşǿÆĿ ȸŋ Ōŋ 7 ƂǕ :*procedure* ǒäÀDZq
.R ȯζϘÀǣşÀǣ-1

ƙŸÊǣşƎǒä ȯζÒŸÊȡ/ƙŋɟä ɄǝÀϘ ƙŸǯÀǕ (ŐÊǯζÀϘ-1) -N ÆÀǿζŸȭşǿÆĿ

:TS [*N*-(Naphthyl)ethylenediamine hydrochloride/propylene glycol)]

ǒÀţä ȸŋ Ōŋ 30 Ž R ƙŋɟä ɄǝÀϘ ƙŸǯÀǕ (ŐÊǯζÀϘ-1)-*N* ÆÀǿζŸȭşǿÆĿ ȸŋ ȟ 0.1 ǟäǾÀ :*procedure* ǒäÀDZq
.R ƙŸÊǣşƎǒä ȯζÒŸ8ǣ Ōŋ 100 ƂǕ ƵÀƩş

.ÆDZǝÀù TS ƙŸÊǣşƎǒä ȯζÒŸȡ/Æŋɟä ɄǝÀϘ ƙŸǯÀǕ (ŐÊǯζÀϘ-1)-*N* ÆÀǿζŸȭşǿÆĿ ƘȒơ Ǣƶ :*Note* ǴƬǵŸŋ

.ĞĔŏşấ ĞĔəÅĔȶĔõ ĞĔȞDZÀŋ ĝấÅŋ :**RS (Niclosamide)** ǼĔŋãàɀŸÖĔÅõã

ȟ63.10 ȜɀϘȚ ƂǗ ŏÅţÅǣ ȤÀƯ ÛTS (ȯ/ȟ 1000~) ȬÅÀϘÅõã Ȑƥ :VS (ȯ/ȯɀŋ 1) **Nitric acid** ȬÅÀϘÅõã Ȑƥ

.Ōŋ 1000 Ž HNO_3 ȸŋ

ăɀŸèɉÅǣ ȯ/ȯɀŋ 1 ȯɀŸǂ ȓɀĜȒţã ÂĔȭÀϘã ȸŋ ǨĶǯϘõã ȜÀƶ :*Method of standardization* ȅĔĔȪϘõã ĞȪÅÀù

ÿãǼǺϘèÅǣ ȬÅÀϘÅõã Ȑƥ ȯɀŸȞŋ ÀÅÅȞÅş ŏÅţã ȸŋ Ōŋ 50 Ž R ĞĔəÅŋŶõã ÿɀÅấɀÔõã ğÅϙɀǣÀõ ȸŋ ȟ 2 ăãǾÅ :ƂÅϘõã

ĢĜÔÅ ÜƙϘȬĔęấ ĝǼŋ ɁŸ8Å .ǼÅȶȚ ÀÅȍǗ ȯɀŸǂã ĢĜÔÅ ɁøϘǵ ÀȞȊȶõ TS ȯɀϙǯÅqã/ȬĔǯĔţã ĞĔŏÅȬƘÀǣ ȸŋ Ōŋ 0.1

1) ȬÅÀϘÅõã Ȑƥ ȸŋ Ōŋ 1 Ȫõ .ǼấǼƒ Àȶǂã ÀÅȍɉã ƂǗ ȷɀŸõã ấɀȞÅ ɁøϘǵ ĝÀÅȞţã ȝǣÅϘƙş ấƎÅ .ÀÅȍǗ ȯɀŸǂã

.Na_2CO_3 ȸŋ ȟ 0.0530 ȕɀÅÖÅ VS (ȯ/ȯɀŋ

.$C_{12}H_7N_3O_2$ ÜƙŏşÄǯϙÅÅĔɀ-10 Û1şÀϘ-5:**R (Nitrophenanthroline)** ƙŏşÄǯϙÅÅĔɀşÀϘÅõã

.ĞȞəãÀõã ĆǼȝ ÜȐĔǣǗ ȧɀȞÊŋ :*Description* Ȥȍɀõã

.ŏÅţã Ž ăãşǽ :*Solubility* ĞĔϙÅǣşǾõã

.°ÿ200-198 (23 ĞȞÀÔõã Û1 ǼŸÕã) :*Melting range* ǿÅȚÔϙɍã ȯÅƒ

:**TS (Nitrophenanthroline)** ƙŏşÄǯϙÅÅĔɀşÀϘÅõã

ĝÀȒǂã TS (ȯ/ȟ7) àşƙÅõã ğÅÅŸè ȸŋ Ōŋ 15 Ž R ƙŏşÄǯϙÅÅĔɀşÀϘÅõã ȸŋ ȟ 0.15 ăãǾÅ :*procedure* ŏãÀDZqã

.ǼDZàÅù

.ĞĔŏşấ ĞĔəÅĔȶĔõ ĞĔȞDZÀŋ ĝấÅŋ :**RS (Norethisterone enantate)** ȷşƘϘÊĔǯÅǿɀÅõã ğÅϘϙÅÅÅǗ

:**TS3 (Opalescence standard)** ɃǿÅĔȞţã ÿɀȶ8õã

ǼǼĔDZ ǯÂɛ ÛŌŋ 100 ǯÅϘϙq ŏÅţã ȸŋ ĞĔɀÅõ ĞĔȶÖǣ TS1 ɃǿÅĔȞţã ÿɀȶ8õã ȸŋ Ōŋ 10 ȤÀƩ :*procedure* ŏãÀDZqã

.ȯÅȶȞϘèɍã ŌĢę ɌǯÀÅş

.ǼDZàÅù TS3 ɃǿÅĔȞţã ÿɀȶ8õã ƘȒƠ Ǽƶ :*Note* ĞȚǵŶŋ

:**TS (Oxalic acid/sulfuric acid)** ȬÅǿɀÅŸÊõã Ȑƥ/ȬĔŏÅÊõşɉã Ȑƥ

ÿɀDZǵ ȸŋ ȷɊÖŋ ấƎŋ ǰÅÂŋ ȸŋ ĞĔɀÅõ ĞĔȶõ Ž R ȬĔŏÅÊõşɉã Ȑƥ ȸŋ ȟ 5 ăãǾÅ :*procedure* ŏãÀDZqã

.Ōŋ 100 ǰϘÅÅ ɁøϘǵ ŏÅţãş TS (ȯ/ȟ1760~) ȬÅǿɀÅŸÊõã Ȑƥ ȸŋ ĞÅşÅÊϘŋ

.269 ĞȞÀÔõã Û3 ǼŸÕã Ûĝấşàɀɉã Ž ȣɀȍɀŋ ɀȽ Àȶõ ȯɀŋÅϘĔèãǿÅĜõã :**R (Pracetamol)** ȯɀŋÅϘĔèãǿÅĜõã

$C_6H_{12}O_3$ ÜȷÅÊȭşǗ ȖϘŶϘ -*s*-ŌĔǯĔŋ ȖϘŶϘ-6Û4Û2 :**R Paraldehyde** ǼĔȽǼõãǿÅĜõã

.ĝÂĔƯ ĞĔƙÅŋşǿǗ ĞȞəãÀõã ÜȪəÅè :*Description* Ȥȍɀõã

[illegible] °[illegible]124 :*Boilling point* [illegible]

. ρ_{20} = [illegible]0.994 :*Mass density* [illegible]

.[illegible] :**RS (Pentamidine isetionate)** [illegible]

:**TS(Periodic - acetic acid)** [illegible]

[illegible] 2.5 [illegible] R [illegible] 0.446 [illegible] :*procedure* [illegible]
.R [illegible] 100 [illegible] TS ([illegible]570~)

:**TS (Phenoldisufonic acid)** [illegible]

.[illegible] :*Description* [illegible]

20 [illegible] R [illegible] 3 [illegible] (1) :[illegible] :*procedure* [illegible]
(2) .[illegible] 6 [illegible] TS ([illegible]1760~) [illegible]
[illegible] 150 [illegible] TS ([illegible]1760~) [illegible] TS ([illegible]250) [illegible]
.[illegible]

[illegible] R [illegible] 0.1 [illegible] :*Sensitivity to nitrate* [illegible]
[illegible] 10 [illegible] 1.0 [illegible]
[illegible] 25 [illegible] TS ([illegible]100~) [illegible] 10 [illegible] 10 [illegible]
.R [illegible]

.[illegible] :TS ([illegible]**250**) **(Phenoldisulfonic acid)** [illegible]

.[illegible] C_6H_6O [illegible]50 [illegible] R [illegible] :**TS ([illegible]50) (Phenol)** [illegible]

.$C_8H_8O_3$ [illegible] :**R (Phenoxyacetic acid)** [illegible]

.[illegible] :*Description* [illegible]

.°[illegible]98 [illegible] :*Melting temperature* [illegible]

.$C_6H_6O_3$,$2H_2O$ [illegible]-5[illegible]3 [illegible]1-[illegible] :**R (Phloroglucinol)** [illegible]

.[illegible] :*Description* [illegible]

.°[illegible]220 :*Melting point* [illegible]

:**TS** [illegible]**4.0** [illegible]**(Phosphate Buffer)** [illegible]

[illegible] 3.01[illegible] R [illegible] 5.04 [illegible] :*procedure* [illegible]

.R ǶDzŸǯöä ÕǾǪǨè ɉä ȒȶШ 4.0 БǗ ŏǺŁǺǤöä ǴǶÔǨş Ōņ 1000 ʒǺǪφɋ ŏǺţä ȸņ ǦǫzǺõ ǦǫȶõŽ R ÿzǫèǺǩzǤöä

:TSǗ(ȯ/ȯzņ **0.067**) Ǘ**7.0** ŏǺŁǺǣ Ǘ**(Phosphate Buffer)** ğǺǺèzǺöä Ǥəøäấ

ʒǺǪφɋ ŏǺţä ȸņ ǦǫzǺõ ǦǫȶõŽ R ÿzǫèǺǩzǤöä ƙDZşøǼǫŁ ɄəǺǺǭ ğǺǺèzz ȸņ ȟ 0.908 āäØǺ :*procedure* ŏäȀDZɋä

ʒǺǪφɋ ŏǺţä ȸņ ǦǫzǺõ ǦǫȶõŽ R ÿzǺấzÔöä ɄəǺǺǭ ƙDZşøǼǫŁ ğǺǺèzz ȸņ ȟ 2.38 ȲÔǺǺņ āäØǺ ǗŌņ 1000

.ÿzǺấzÔöä ğǺǺèzz ȯzŸȚ ȸņ Ōņ 61.1 ʒņ ÿzǫèǺǩzǤöä ğǺǺèzz ȯzŸȚ ȸņ Ōņ 38.9 ʒÂɛ .Ōņ 100

ɃzǪʒ R ÕǺǼǤözņzǺèzǺöä ȒȶΣ ȯzŸȚ :TS (ȯ/ȟ**80**) **(Phosphomolybdic acid)** ÕǺǼǤözņzǺèzǺöä Ȓƥ

.ǺǪŸöä Ž $H_3PO_4,12MoO_3,24H_2O$ ȸņ ȟ 100 ǦǣäǺę

:**TS (Phosphomolybdic acid/ethanol)** ȯzφǺʒǺɋä/ÕǺǼǤözņzǺèzǺöä Ȓƥ

R ŏǺţä ţşÂøǺņ ȯzφǺʒǺɋä ȸņ ǦǫzǺõ ǦǫȶõŽ R ÕǺǼǤözņzǺèzǺöä Ȓƥ ȸņ ȟ 5 āäØǺ :*procedure* ŏäȀDZɋä

.Ōņ 100 ʒǺǪφɋ

:**TS** Ǘ**4.0** ŏǺŁǺǣ **(Phthalate buffer)** ğɍǺǯǺöä Ǥəøäấ

Ōņ 0.40 ȣǺȒǺ ǗŏǺţä ȸņ Ōņ 50 Ž R ÿzǫèǺǩzǤöä ƙDZşøǼǫŁ ğɍǺǯz ȸņ ȟ 2.042 āäØǺ :*procedure* ŏäȀDZɋä

.ŏǺţä ȸņ Ōņ 200 øǣ ȤǺƩş ǗVS (ȯ/ȯzņ 0.2) ÿzǺấzÔöä ƙDZşøǼǫŁ ȸņ

.Ǧǫöşấ ǦǫəǺǫȶǫõ ǦǫȞDZǺņ gấǺņ :**RS(Piperazine adipate)** ȸǺäǨǤǫǤöä ğǺǤǺấǗ

.Ǧǫöşấ ǦǫəǺǫȶǫõ ǦǫȞDZǺņ gấǺņ :**RS(Piperazine citrate)** ȸǺäǨǤǫǤöä ğäǺǪǫè

.$C_4H_{10}N_2,6H_2O$ ǗȸǺäǨǤǫǤöä ğäøǼǫŁ ɄèäǼè :**R (Piperazine hydrate)** ȸǺäǨǤǫǤöä ğäøǼǫŁ

.ɉzŸöä ǦɛǼʒ Ǧʒzǫņ ǦʒǺţ ğäøzŸǣ :*Description* ȤòzöäȤ

.°ÿ44 :*Melting point* øǺȚÔφɍä ǦÛŌφ

БǗ ŏǺţä Ž ǦǣäØņ ǗR ÿzǫèǺǩzǤöä ğǺņşǺǣ :VS (ȯ/ȯzņ **0.0333**) **(Potassium bromate)** ÿzǫèǺǩzǤöä ğǺņşǺǣ

.Ōņ 1000 Ž $KBrO_3$ ȸņ ȟ 5.562 ɁzǪȚ

ȟ 125 ǦǣäǺę ɁŸʒ ɃzǪʒ R ÿzǫèǺǩzǤöä ǼǫņşƎö ȯzŸȚ :**TS** (ȯ/ȟ**125**) **(Potassium bromide)** ÿzǫèǺǩzǤöä ǼǫņşǺǣ

.ǺǪŸöä Ž KBr ȸņ

ğǺǺèzǺö ȯzŸȚ :**TS** (ȯ/ȟ**70**) **(Potassium dihydrogen phoshate)** ÿzǫèǺǩzǤöä ƙDZşøǼǫŁ ɄəǺǺǭ ğǺǺèzz

.ǺǪŸöä Ž KH_2PO_4 ȸņ ȟ 70 ǦǣäǺę ɁŸʒ ɃzǪʒ R ÿzǫèǺǩzǤöä ƙDZşøǼǫŁ ɄəǺǺǭ

.(146 ǴǶǺÔöä Ǘ1963 ǗSRIP) $KHSO_4$:**R (Potassium hydrogen sulfate)** ÿzǫèǺǩzǤöä ƙDZşøǼǫŁ ğǺǺŸè

ɁŸʒ ɃzǪʒ R ÿzǫèǺǩzǤöä ǼǫÊõşøǼǫȚ ȯzŸȚ:**TS** (ȯ/ȟ**400~**) **(Potassium hydroxide)** ÿzǫèǺǩzǤöä ǼǫÊõşøǼǫŁ

.[illegible] KOH [illegible] 400 [illegible]

:TS (Potassium permanganate/phosphoric acid) [illegible]

[illegible] 15 [illegible] R [illegible] 3 [illegible] :*procedure* [illegible]
.[illegible] 100 [illegible] 70 TS [illegible] 1440~)

:VS [illegible] **0.0002) (Potassium permanganate)** [illegible]

.[illegible] 1000 [illegible] $KMnO_4$ [illegible] 31.61 [illegible] R [illegible]
[illegible] :*Method of standardization* [illegible]
.(221 [illegible] 1 [illegible]) "VS [illegible] 0.02) [illegible]" [illegible]

:TS [illegible] **0.1) (Potassium sulfate)** [illegible]

.[illegible] K_2SO_4 [illegible] 0.1 [illegible] R [illegible]

.[illegible] :**RS (Prednisolone succinate)** [illegible]

:TS (Pyridine/acetic anhydride [illegible]

R [illegible] R [illegible] 3 [illegible] :*procedure* [illegible]
.[illegible]

.[illegible] TS [illegible] :*Note* [illegible]

:R(Quinhydrone) [illegible]

.$C_{12}H_{10}O_4$ [illegible] (1:1) [illegible] -*P*

.[illegible] :*Description* [illegible]

.°171 :*Melting point* [illegible]

:TS (Quinhydrone/methanol) [illegible]

.[illegible] 100 [illegible] R [illegible] R [illegible] 2.5 [illegible] :*procedure* [illegible]

:TS (Resorcinol/toluene) [illegible]

[illegible] R [illegible] 100 [illegible] R [illegible] 0.2 [illegible] :*procedure* [illegible]
.([illegible])

.[illegible] :*Note* [illegible]

:VS [illegible] **0.05) (Silver nitrate)** [illegible]

[illegible] 1000 [illegible] $AgNO_3$ [illegible] 8.494 [illegible].

[illegible] *Method of standardization*: [illegible] "VS ([illegible] 0.1) [illegible]" [illegible] 222 [illegible]).

[illegible] **(Silver nitrate)** **[illegible] 0.001) VS**: [illegible] 0.1699 [illegible] $AgNO_3$ [illegible] 1000 [illegible].

[illegible] *Method of standardization*: [illegible] "VS ([illegible] 0.1) [illegible]" [illegible] 222 [illegible]).

[illegible] **(Silver standard)** **([illegible] 5 Ag/[illegible]) TS**:

[illegible] *procedure*: [illegible] 39.5 [illegible] R [illegible] 100 [illegible]. [illegible] 1.0 [illegible] 100 [illegible].

[illegible] **(Sodium acetate)** **[illegible] 0.04) VS**: [illegible] 3.281 [illegible] $C_2H_3NaO_2$ [illegible] 1000 [illegible].

[illegible] **(Sodium amidotrizoate) RS**: [illegible].

[illegible] **(Sodium citrate)** **([illegible] 250) TS**: [illegible] 294 [illegible] $C_6H_5Na_3O_7,2H_2O$ [illegible] 1000 [illegible].

[illegible] **(Sodium hydrogen carbonate)** **([illegible]100) TS**:

[illegible] R [illegible] 100 [illegible] $NaHCO_3$ [illegible] 1000 [illegible].

[illegible] **(Sodium laurilsulfate) R**:

[illegible] $C_{12}H_{25}NaO_4S$ [illegible].

Description: [illegible].

Solubility: [illegible] ([illegible]750~) TS.

[illegible] **(Sodium laurilsulfate)** **([illegible]10) TS**: [illegible] R [illegible] 10 [illegible] $C_{12}H_{25}NaO_4S$ [illegible].

[illegible] **(Sodium metabisulfite)** **([illegible]50) TS**: [illegible] R [illegible] 50 [illegible] $Na_2O_5S_2$ [illegible].

TS (Sodium metaperiodate):

0.05) … 120 … 60 … :*procedure*

… 1000 … VS …

…

… 250 … 10 … :*Suitability test*

… 50 … 50 … 550 …

… 50 …

… 5 … 30 … 50 …

… TS … 80) … 10 TS … 420~) …

3 … VS … 0.1) … 100 … 5

… 0.1) … TS …

… 0.765 … 0.750 … TS … VS.

… $NaNO_2$ … 50 … :**TS** … **50) (Sodium nitrite)** …

…

… $NaNO_2$ … 20 … :**TS** … **20) (Sodium nitrite)** …

…

TS (Sodium nitrite/hydrochloric acid): …

… 0.5 … :*procedure*

… 100 … TS … 70~)

TS (Stannous chloride/hydrochloric acid): …

… 10 … :*procedure*

… 100 … TS … 70~)

… :**RS (Streptomycin sulfate)** …

… 80 … :**TS** … **80) (Sulfamic acid)** …

… H_3NO_3S

… TS … 80) … :*Note*

.$C_7H_7NO_4S$ ÜÕ̃ǖşÂøǟ Ȫǖzɳǖǟè -*p* Ȑƥ :**R (4-Sulfamoylbenzoic)** Õ̃ǖşÂøǟ Ȫǖzɳǖǟè**-4** Ȑƥ

.°ÿ 291 Ǧǟǟę .(23 ǦĦȦÔǟ Û1 ÆŸÕǟ) :*Melting point* øȦȚÔɸɍǟ ǦÛÕ̃ɸ

ʔzʠʈ Ƃǖ ǒȦʈǟ ƵȦƯ (ȯ/ȟ1760~) Õ̃ǖøzȦŸÊǟ Ȑƥ :**TS (ȯ/ȟ1125~) (Sulfric acid)** Õ̃ǖøzȦŸÊǟ Ȑƥ

.*d*~161 ÜȦʠŸǟ Ž H_2SO_4 ȡɳ ȟ 1125

:**TS (ȯ/ȟ440~) (Sulfric acid)** Õ̃ǖøzȦŸÊǟ Ȑƥ

Ü(ȯ/ȯzɳ 4.5~) ǒȦʈǟ Ȫɳ 1000 Ƃǖ (ȯ/ȟ1760~) Õ̃ǖøzȦŸÊǟ Ȑƥ ȡɳ Ȫɳ 485 ƵȦƩ :*procedure* ǒǟȦƊqǟ

.*d*~1.25

.ǦǢşǻ ǦǢəȦǢȶǢÕ ǦǢǨƊȦɳ gǻȦɳ :**RS (Tamoxifen citrate-E-isomer)** ƙȦÊÕ̃zɳȦʠǟ ğǟȦʠǢÊ**-E** ȟşȦÔʈǟ

.ǦǢşǻ ǦǢəȦǢȶǢÕ ǦǢǨƊȦɳ gǻȦɳ :**RS (Tamoxifen citrate)** ƙȦÊÕ̃zɳȦʠǟ ğǟȦʠǢè

Ȧȶ Õ ɉşȦʠǢèzʠÊʠǟ ğȦɸzǢǟȦǟ ÿÆǺʠÊǖ .$C_{22}H_{32}O_3$:**RS (Testosterone propionate)** ɉşȦʠǢèzʠÊʠǟ ğȦɸzǢǟȦǟ

.412 ǦĦȦÔǟ 3 ÆŸÕǟş Û295 ǦĦȦÔǟ 2 ÆŸÕǟ Ž gǻşȦzɟǟ Ž ȣzòzɳ zȽ

:**TS (Testosterone propionate/ethanol)** ȯzɸȦǮǖqǟ/ɉşȦʠǢèzʠÊʠǟ ğȦɸzǢǟȦǟ

TS (ȯ/ȟ750~) ȯzɸȦǮǖqǟ ȡɳ ǦǢzȦÕ ǦǢȶÕ Ž R ɉşȦʠǢèzʠÊʠǟ ğȦɸzǢǟȦǟ ȡɳ ɳŸɳ 10 ǟǟØǖ :*procedure* ǒǟȦƊqǟ

.Ȫɳ 10 ǯȦʠɸq

3`,3``,5`,5``- :**R (Tetrabromophenolphthalein ethyl ester)** ƙȦǒȦǯz ȯzǢȦǒǟzɳşȦǟ ɄʒȦǟø ȪǢǯǖǓ Ȧʠèǟ

.ǦȶəŸɳ ƵìȦÕ ǦƊøǻ ÿÆǺʠÊǩ .Tetrabromophenolphthalein, ethyl ester; $C_{22}H_{14}Br_4O_4$

:**TS (Tetrabromophenolphthalein ethyl ester)** ƙȦǒȦǯz ȯzǢȦǒǟzɳşȦǟ ɄʒȦǟø ȪǢǯǖǓȦʠèǟ

Ȑƥ ȡɳ ǦǢzȦÕ ǦǢȶÕ Ž ƙȦǒȦǯz ȯzǢȦǒǟzɳşȦǟ ɄʒȦǟø ȪǢǯǖǓ Ȧʠèǟ ȡɳ ȟ 0.10 ǟǟØǖ :*procedure* ǒǟȦƊqǟ

.Ȫɳ 100 ǯȦʠɸq R ɄƊzŸǯǟ Õ̃ǢʠǢèɟǟ

.ȦƊzǟȦù ƙȦǒȦǯz ȯzǢȦǒǟ zɳşȦǟ ɄʒȦǟø ȪǢǯǖǓ Ȧʠèǟ ƘȒƠ Ƶ̄ƶ :*Note* ǦȚǵŸɳ

C_2H_5NS :**R (Thioacetamide)** ÆǢɳȦʠǢèǓzǢǯǟ

.ÿȦè R ÆǢɳȦʠǢèǓzǢǯǟ :*Note* ǦȚǵŸɳ

.ƙƊşøÆǢȚǟ ÆǢȦŸÊǟ ÛǦȦǢȦǹ ǦĦǟȦǟ ÜȐǢǟǓ ɃøzŸǟ ȧzĦÊɳ şǖ ɉzŸǟ ǦƺÆʒ ğǟøzŸǟ :*Description* Ƶòzǟ

.TS (ȯ/ȟ750~) ȯzɸȦǮǖqǟş ǒȦʈǟ Ž ɉȦǟşǾǟ Ȧǵ :*Solubility* ǦǢɸȦǟşǾǟ

.°ÿ113 Ǧǟǟę :*Melting point* øȦȚÔɸɍǟ ǦÛÕ̃ɸ

TS (Thioacetamide, alkaline):

procedure: 0.4 R 10 0.2 1 15 (1) VS 5 R 20 20.

RS (Thiopental sodium):

RS (Timolol maleate):

RS (Toluene-2-sulfonamide) -2-

R (Tributyl phosphate): $C_{12}H_{27}O_4P$.

Description:

Miscibility:

Mass density: 0.98 ρ_{20}=

Note: 60 10 1 0.1 R R.

R (Triethylamine): $C_6H_{15}N$

Description:

Boiling range: 89-90 °

Mass density: 0.73 ρ_{20}=

Refractive index: n_D^{20} =1.4003 .

R (Triethlendiamine): 1,4-Diazabicyclo[2.2.2]octane;$C_6H_{12}N_2$

Description:

Melting temperature: 158°

Storage:

TS (Triketohydrindene/ethanol):

procedure: R (~750) TS.

[illegible]

:TS (Triketohydrindene/sodium metabisulfite)

[illegible] 100 [illegible] 3 [illegible] :*procedure* [illegible]
[illegible] 100 [illegible] 4.55

[illegible] :**RS (Vinblastine sulfate)** [illegible]